0047147

HANFORD BUDGET

Influence Hanford Cleanup Priorities

Attend a Special Budget Meeting

$$ Wednesday, April 2
6 p.m. - 9 p.m.
Lopez Room, Seattle Center
305 Harrison Street
Seattle, Washington $$

The U.S. Department of Energy urges you to participate in development of the Hanford Site fiscal year 1999 budget.

Voice your opinion on important issues, including:

- Tri-Party Agreement milestones
- Cleanup schedules and funding priorities

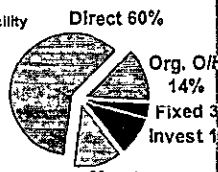
For more information
call the Hanford Hotline at 1-800-321-2008
or check the Hanford internet site, http://www.hanford.gov

Send written comments to
Alice Murphy
U.S. Department of Energy
PO Box 550 MS A7-29
Richland, WA 99352

Review documents at
University of Washington
Suzzallo Library
Govt. Publications MS FM-25
Seattle, WA 98195

Pacific Northwest National Laboratory Indirects

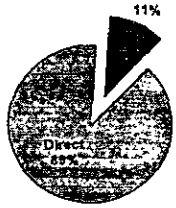
- ✓ Organizational Overheads
  - ✓ Management, training, and facility costs of organizations.
  - ✓ Allocated on labor hours.
- ✓ Fixed Costs
  - ✓ Fee, insurance, and taxes.
  - ✓ Allocated to all programs.
- ✓ Investments
  - ✓ Enhance/expand science and technology capabilities, bring capabilities to market in high quality, cost competitive manner.
- ✓ Management Systems
  - ✓ Core services in support of projects and lab management.
  - ✓ Examples: Lab Director's office, Human Resources, Finance.



APPROXIMATED DATA
Shows IPL indirects as a percent of total EM FY 97 budget.

Bechtel Hanford Inc. Indirects

- ✓ Controller
- ✓ Procurement
- ✓ Planning and Control
- ✓ Community Relations
- ✓ Environmental Technologies
- ✓ ER Project Teams
- ✓ Human Resources
- ✓ Quality, Safety & Health
- ✓ Office and Administrative Services
- ✓ Internal Audit
- ✓ Contract Administration
- ✓ Field Support
- ✓ Taxes and Insurance



Shows indirects as a percent of total FY 97 budget.

IPL Indirect Summary
FY 97 Budget, FY 98 and FY 99 Targets
(Dollars in Millions)

	FY 97	FY 98	FY 99
PHMC	$321	$270	$250
PNNL	34	34	34
BHI	15	14	14
Less: Crosscharges	(36)	(36)	(36)
Total Site Indirects	$334	$282	$262

PHMC includes FDH and all major and key subcontractors budget. FDH data based on the $5.5B case. Crosscharge subtracts the amount of services identified in more than one contractors' financial data.

FY 99 Budget Breakout Session
Site Indirects on the Integrated Priority List

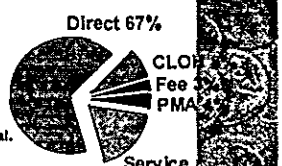
Kay Kuon
RL Financial Management Division

Points of Discussion

- ✓ Indirects on the Integrated Priority List
- ✓ Identify the Indirect Costs for Hanford Contractors
- ✓ Provide Site Indirect Data for Fiscal Years 1997, 1998, and 1999
- ✓ Answer Your Questions

PHMC Indirects
Indirects ≠ Overhead

- ✓ Company Level Overheads
  - ✓ FDH General & Administrative, Fire Road Maintenance, Security
  - ✓ Allocated to all projects.
- ✓ Fee
  - ✓ Fee for indirect performance agreements.
  - ✓ Allocated to all projects.
- ✓ Project Management Accounts
  - ✓ Subcontractor specific; managerial.
  - ✓ Allocated to benefiting projects.
- ✓ Service Centers
  - ✓ Heavy Equipment, Waste Burial, Utilities, Analytical Labs, HAMMER, Crane & Rigging, Computing, Dosimetry.
  - ✓ Allocated to benefiting projects on representative bases; sized by projects.



CROSSWALK OF INDIRECT COSTS

	PHMC	
FEE	11.0	
Technology Management	1.5	
Economic Transition	0.8	
CIO & HANDI	2.4	
Infrastructure Oversight	1.3	
Pres. Off/Independent QA	1.2	
QA	2.3	
RL Data Warehouse	1.8	
Other	3.7	
NEW SCOPE	15.0	
Waste Disposal Negotiation	(0.7)	
Decreased Lab Cost	(1.6)	
Training Reduction	(1.0)	
Miscellaneous Reductions	(2.9)	
Productivity Commitment	(6.9)	
DECREASED FUNCTIONS	(13.0)	13.0
STRUCTURE		
DynCorp G&A and Overheads	6.0	
Home Office G&A	3.0	9.0
ENTERPRISE COMPANY WORK		
Estimated G&A, Overhead and fee not already included in site pools	26.0	
Transferred from PHMC	(22.0)	4.0
		26.0

ENVIRONMENTAL COMPLIANCE

A. HANFORD ENVIRONMENTAL MANAGEMENT PROGRAM

PROGRAM DESCRIPTION

- Provide guidance and support to Hanford Site to ensure that facilities/programs achieve compliance with environmental requirements and agreements.
- Provide RL with a mechanism to coordinate specific environmental activities between contractors.
- Coordinate Hanford Site activities for sitewide reports, permits and provide focal point for regulator data needs and issues.

PROGRAM ASSUMPTIONS

- Environmental support is required for RL and Contractor to maintain compliance with environmental requirements and agreements.
- As compliance requirements change, activities will be revised to ensure that compliance is achieved to the extent funding allows.
- Facility or other contractor specific compliance activities remain the responsibility of individual programs.

PROGRAM PRIORITIES

- Ensure submittal of mandatory State and Federal environmental reports which crosscut Hanford missions/programs.
- Develop and negotiate RCRA, Air and Water permit applications which crosscut Hanford missions/programs.
- Coordinate and integrate Tri-Party Agreement negotiations, public repositories/ administrative records, and regulator data access.

BASELINE VALIDATIONS

- Continue commitment to improve the efficiency and effectiveness of the program.
- Continue critical review of manpower requirements for each activity in conjunction with imposed company restructuring.
- Eliminate discretionary spending (suspended all non-required training courses, travel, etc.).

KEY PROGRAM ACCOMPLISHMENTS FISCAL YEAR WORK SCOPE COMPARISON TARGET VS REQUIRED FUNDING

DESCRIPTION	FY 1997	FY 1998	FY 1999
Sitewide Environmental Regulatory Report	X	X	X
Hanford Facility RCRA Permit	X	X	X
Tri-Party Agreement Compliance	X	X	X

KEY PROGRAM ACCOMPLISHMENTS FISCAL YEAR WORK SCOPE COMPARISON TARGET VS REQUIRED FUNDING

DESCRIPTION	FY 1997	FY 1998	FY 1999
Sitewide Air & Water Permitting	X	X	X
Regulator Inspection Support/Crosscutting Environmental Compliance Issue	X	X	X
NEPA Compliance	X	Below	Below

KEY PROGRAM ACCOMPLISHMENTS FISCAL YEAR WORK SCOPE COMPARISON TARGET VS REQUIRED FUNDING

DESCRIPTION	FY 1997	FY 1998	FY 1999
Hanford Site Air Operating Permit	X	Below	Below
Evaluate Chemical Tracking/Purchasing Database/Initiate	$6	$6	

CONCLUSION

- Environmental permit (e.g. Air Operating Permit) and other documents are required by law, regulation and other enforceable agreements for facility operation and cleanup.
- Failure to perform has strong implications for the Hanford mission which may create significant liabilities.

SUMMARY OF IPL BY PROJECT
AS OF MARCH 11 IPL
FY 1997–FY 1999
($ IN 000's)

PROJECT	FY 1997 *	FY 1998	FY 1999 HIGH	FY 1999 LOW
TWRS **	272,020	317,110	302,085	302,085
minus Indirect Credit	0	(7,044)	(8,136)	(13,038)
TWRS total	**272,020**	**310,066**	**293,949**	**289,047**
SNF	171,312	151,810	123,029	123,029
minus Indirect Credit	0	(3,324)	(3,264)	(5,230)
SNF total	**171,312**	**148,486**	**119,765**	**117,799**
WASTE PROG / PNNL	**133,026**	**135,745**	**175,371**	**134,800**
WASTE PROG	126,521	123,080	164,833	127,305
minus Indirect Credit	0	(2,608)	(4,377)	(5,420)
WP total	126,521	120,472	160,456	121,885
PNNL	6,505	15,273	14,915	12,915
minus Indirect Credit	0	0	0	0
PNNL total	6,505	15,273	14,915	12,915
ER	139,635	133,302	152,201	138,201
minus Indirect Credit	0	0	0	0
ER total	**139,635**	**133,302**	**152,201**	**138,201**

SUMMARY OF IPL BY PROJECT
AS OF MARCH 11 IPL
FY 1997 – FY 1999
($ IN 000's)

PROJECT	FY 1997 *	FY 1998	FY 1999 HIGH	FY 1999 LOW
FACILITY TRANSITION	**201,837**	**200,653**	**234,488**	**211,285**
TRANSITION PROJECTS / 324	152,338	148,700	173,242	164,902
minus Indirect Credit	0	(3,180)	(4,596)	(7,012)
TRANSITION PROJECTS total	152,338	145,520	168,646	157,890
LANDLORD	11,037	15,000	33,885	22,000
minus Indirect Credit	0	(328)	(902)	(935)
LANDLORD total	11,037	14,672	32,983	21,065
SYSTEMS ENGINEERING	750	750	750	750
minus Indirect Credit	0	0	0	0
SYSTEMS ENGINEERING total	750	750	750	750
ADVANCED REACTOR	37,712	40,600	32,986	32,986
minus Indirect Credit	0	(889)	(877)	(1,406)
ADVANCED REACTOR total	37,712	39,711	32,109	31,580
OTHER	**77,582**	**59,948**	**59,686**	**59,175**
EEM	4,181	3,926	6,300	6,199
minus Indirect Credit	0	(86)	(167)	(167)
EEM total	4,181	3,840	6,133	6,032
MISSION SUPPORT ***	22,196	19,892	20,000	20,000

SUMMARY OF IPL BY PROJECT
AS OF MARCH 11 IPL
FY 1997 – FY 1999
($ IN 000's)

PROJECT	FY 1997 *	FY 1998	FY 1999 HIGH	FY 1999 LOW
minus Indirect Credit	0	(430)	(550)	(881)
Mission Support total	22,196	19,462	19,450	19,119
OTHER, CON'T				
TWRS Reg Unit	4,600	4,590	4,456	4,456
minus Indirect Credit	0	0	0	0
TWRS Reg Unit total	4,600	4,590	4,456	4,456
HAMMER	13,203	5,053	4,934	4,934
minus Indirect Credit	0	(111)	(131)	(210)
HAMMER total	13,203	4,942	4,803	4,724
RL Directed	33,402	27,114	24,844	24,844
minus Indirect Credit	0	0	0	0
RL Directed total	33,402	27,114	24,844	24,844
GRAND TOTAL	**995,412**	**988,200**	**1,035,460**	**950,307**

* includes New funding only – IPL includes some carryover funding
** excludes TWRS Reg Unit
*** excludes EEM and Systems Engineering

FY99 Priority	"Unit of Analysis"	What Are We Buying?
1	PFP Min Safe	Minimum Safe configuration for PFP is composed of several components, including the following: The PFP vault complex will be operated and maintained to ensure the safe and secure storage of Special Nuclear Material (SNM) until final disposition of SNM, Nuclear Materials (NM) and Nuclear Fuels (NF) is implemented. Activities also include SNM Inventories, minor Vault Modifications, and engineering studies/assessments supporting material storage. Analytical Laboratory capabilities will be maintained to support the temporary storage of SNM. Safety boundaries for the vault complex and former operation/process areas will receive required maintenance, operation surveillance tasks, environmental compliance tasks, corrective maintenance, procedure maintenance, preventative maintenance, plant specific support, nuclear process/radiation surveillance, project management, ventilation/power surveillance, environmental compliance, and safety boundary and emergency planning. Safeguards and Security (SAS) direction and oversight will ensure safe, secure and compliant storage of SNM/NM/NF until final disposition of the material is accomplished. SAS includes physical security, safeguards accounting and material control, record keeping, studies, evaluations and assessments. Base support to the facility includes basic services such as steam, water, utilities, etc. which are made available to the facility from outside sources and costs assessed on a pro rata basis. It also includes proportioned senior management, generic training, administrative support, administrative and progress reporting, project baseline control, administrative supplies and equipment, and environmental assessments (e.g., solid waste burials).
2	Maintain Fuel in K Basins	This UOA assures that 2100 metric tons of irradiated metallic uranium fuel, containing millions of curies of radioactive materials, that is currently stored in aging and deteriorating basins on the banks of the Columbia River is maintained in as safe a condition as possible until fuel, sludge; and debris removal operations are completed to relocate the fuel to safer dry interim storage in the 200 Area. This UOA provides for minimum safe operation of the basins through FY 2001 when fuel and sludge removal is expected to be completed.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
3	TWRS 200 East DST Min. Safe Ops.	Specific activities are to: - Operate all 200 East DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 East DST Tank Farm Storage Facilities in support of Waste Characterization, safety issues resolution, and waste receipt and transfer from stabilization/isolation and facility cleanout. - Receive small amounts of slightly radioactive HVAC condensate from other Hanford facilities in minimum safe operations. - Maintain/develop operating procedures. - Provide training and qualification programs commensurate with assigned duties - Provide environmental compliance management - Handle solid waste generated by 200 East/West DSTs facilities - Initiate work to establish safe interim end state for surplus facilities 209E and 244AR. 200 East DST Minimum Safe Operations will continue until the tank wastes are remediated.
5	TWRS 200 East SST Minimum Safe Operations	Specific activities are to: - Operate all 200 East SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 East SST Tank Farm Storage Facilities. - Maintain/develop operating procedures. - Provide training and qualification programs comensurate with assigned duties - Provide environmental compliance management - Handle solid waste generated by 200 East/West DSTs facilities - Initiate work to establish safe interim end state for surplus facilities 209E and 244AR. 200 East SST Minimum Safe Operations will continue until the tank wastes are remediated.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
6	TWRS 200 West DST Minimum Safe Operations	Specific activities are to: - Operate all 200 West DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 West DST Tank Farm Storage Facilities in support of Waste Characterization, safety issues resolution, and waste receipt and transfer from stabilization/isolation and facility cleanout. - Receive small amounts of slightly radioactive HVAC condensate from other Hanford facilities in minimum safe operations. 200 West DST Minimum Safe Operations will continue until the tank wastes are remediated.
8	TWRS 200 West SST Minimum Safe Operations	Specific activities are to: - Operate all 200 West SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 West SST Tank Farm Storage Facilities. 200 West SST Minimum Safe Operations will continue until the tank wastes are remediated.
9	TWRS WASTE CHARACTERIZATION (Support to Minimum Safe) Char-050 Compl.	Work scope to maintain minimum safe storage of waste within the tanks. This includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support saltwell pumping operations.
10	TWRS 200 East SST Stabilization/Isolation - Min Safe	1. Tank Farm Interim Stabilization. Each SST in the tank farm will meet the criteria for interim stabilization specified in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement); that is, pumping rates fall to less than 0.2 liters (0.05 gal/min), and the pumpable volume is reduced to less than 19 kiloliters (5,000 gallons) of supernatant and 190 kiloliters (50,000 gallons) of pumpable interstitial liquid. 2. Tank Farm Intrusion Prevention. Inadvertent liquid addition into each tank will be prevented by installing barriers in pipelines leading into SSTs and sealing pump or valve pits that drain back into SSTs, as defined in the Tri-Party Agreement.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
11	TWRS 200 West SST Stabilization/Isolation - Min Safe	The project has two parts: 1. Tank Farm Interim Stabilization. Each SST in the tank farm will meet the criteria for interim stabilization specified in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement); that is, pumping rates fall to TWRS Cs/Sr Capsules less than 0.2 liters (0.05 gal/min), and the pumpable volume is reduced to less than 19 kiloliters (5,000 gallons) of supernatant and 190 kiloliters (50,000 gallons) of pumpable interstitial liquid. 2. Tank Farm Intrusion Prevention. Inadvertent liquid addition into each tank will be prevented by installing barriers in pipelines leading into SSTs and sealing pump or valve pits that drain back into SSTs, as defined in the Tri-Party Agreement.
12	TWRS Stabilization Safety Systems (Exhausters)	The 1st portable exhauster was designed and fabricated in FY 1996 and is being readied to support saltwell pumping of tank A-101. This Unit of Analysis sheet covers procurement of 5 portable exhausters in FY 1997 (supporting S-109, SX-103, BY-105/106, and other tanks to be determined), 3 in FY 1998, and 4 in FY 1999.
13	TWRS Waste Characterization (Support to SST Stabilization)	Work scope to provide support to SST stabilization. This includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support SST Stabilization.
14	TWRS Flammable Gas Minimum Safe Operations	This Unit of Analysis (UOA) sheet addresses three safety issues. The ferrocyanide safety issue will be closed out in early FY 1997, the high heat safety issue will be closed out in FY 1998 (following retrieval of waste from tank C-106 covered under another UOA sheet), and the flammable gas safety issue will be resolved by FY 2001. Other significant milestones include completion of vapor space monitoring of flammable gas Watch List tanks in FY 1997; refinement of flammable gas generation and retention models using void meter and retained gas sampling data in FY 1997; closure of the flammable gas unreviewed safety question (USQ) in FY 1998; and completion of vapor space monitoring of additional flammable gas tanks in FY 2000.
15	TWRS Waste Characterization (Support to SST Flammable Gas)	Work scope to provide support to SST Flammable Gas Program. This includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
17	TWRS Safety, USQ, Authorization Basis	This work scope provides for: the development of the TWRS FSAR and associated Tank Safety Requirements (TSRs); the field implementation of the *Tank Waste Remediation System Basis for Interim Operations*, (WHC-SD-WM-BIO-001, Rev E) (BIO); and the continued management of Safety and Licensing (S&L) activities, USQ Process Control, Authorization Basis Integration, and Authorization Basis Project Support. These activities develop and maintain the technical infrastructure required to facilitate the implementation of a comprehensive Safety Management System for TWRS. It provides for the program management of the initial and on-going preparation and development of revisions to all TWRS safety basis and authorization basis documents in support of TWRS operations. Implementation of the BIO establishes the envelope for acceptable operations in the interim period prior to FSAR Implementation, and this activity provides a significant safety authorization basis upgrade to the *Hanford Site Tank Farm Facilities Interim Safety Basis*, (WHC-SD-WM-ISB-001, Rev 0) (ISB).
18	TWRS Minimum Safety Management Control	1. Provides Systems Engineering leadership for the TWRS Program; 2. Maintains the technical, schedule, and cost baseline; 3. Provides program-wide Environmental, Safety, Health and Quality Assurance administration, planning and oversight; 4. Provides project control systems; 5. Administers TWRS performance agreements; 6. Performs RL-sponsored special studies; 7. Provides project support services (e.g., public involvement, TPA administrative record, data services).
19	TWRS FSAR Implementation	This activity implements all the required controls at the plant to provide a final Safety Authorization Basis compliant with DOE Orders 5480.21, 5480.22, and 5480.23. Implementation of the FSAR will ensure that Tank Safety Requirements (TSR), Limiting Conditions of Operation (LCO), and Administrative Controls (AC) are met in the Manage Tank Waste Function. Additionally, this activity will maintain an updated status of the FSAR and Authorization Basis, and will implement further controls as determined necessary in the future.
20	TWRS Management Systems - DOE-RL, PNNL, Others	This unit of analysis provides program management and integration, ES&H oversight, technical support, planning, business management development, training, estimating, Sub-Taps, TWRS benchmark development and administrative support to the RL TWRS Program.
21	TWRS Management Systems - Fee	This Unit of Analysis is the Project Hanford Management Contractor Performance Fee Award.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
22	TWRS A Farm Complex Ops/Maint. Min Safe (East)	Specific activities are to: - Operate all 200 East DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 East DST Tank Farm Storage Facilities in support of Waste Characterization, safety issues resolution, and waste receipt and transfer from stabilization/isolation and facility cleanout. - Receive small amounts of slightly radioactive HVAC condensate from other Hanford facilities in minimum safe operations. - Provide staging of waste for feed to the 242A Evaporator. - Maintain/develop operating procedures. - Provide training and qualification programs commensurate with assigned duties - Provide environmental compliance management 200 East DST Minimum Safe Operations will continue until the tank wastes are remediated.
23	PNNL WMOC: MIN SAFE SURV & MAINT	Funding this UOA maintains PNNL 300 Area nuclear facilities in a minimum safe condition.
24	324 Building Min Safe	Maintenance of the safety basis and facility configuration control; facility utilities and assessments (i.e. Steam, Electricity, Water, Sewage, Sanitary Waste, Pest Control, Road Maintenance); maintenance of facility systems and structures (including time and materials) required to maintain the safety envelop and prevent contamination dispersement; dosimetry tracking and analysis, radiological and operational surveillances; environmental, safety, and conduct of operations self assessment and audit support.
25	327 Building Min Safe	Maintenance of the safety basis and facility configuration control; facility utilities and assessments (i.e. Steam, Electricity, Water, Sewage, Sanitary Waste, Pest Control, Road Maintenance); maintenance of facility systems and structures (including time and materials) required to maintain the safety envelop and prevent contamination dispersment; dosimetry tracking and analysis, radiological and operational surveillances; environmental, safety, and conduct of operations self assessments and audit support.
26	WESF Min Safe	Minimal required activities to maintain WESF in a short term safe configuration pending needed upgrades. This includes routine surveillances of the facility to assure the integrity of the encapsulated radioactive materials and to identify if and when radioactive and/or hazardous materials are no longer within the required isolation. Performing corrective actions as needed and maintaining critical systems needed for personnel safety and facility stability.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
27	200 Area Liquid Effluent Facility Minimum Safe	The 200 Area TEDF is a collection and disposal system for non-RCRA permitted waste streams which already meet discharge requirements. The types of waste streams which discharge to the 200 Area TEDF include cooling water, steam condensate, floor drains, HVAC condensate, and rainwater. Facilities which discharge to the 200 Area TEDF include the Plutonium Finishing Plant, 222-S Laboratory, T Plant, 284-W Power Plant, PUREX Plant, BPlant, and 242-A-81 Water Services Building. After Project W-252 is completed in June 1997, additional facilities will discharge to the 200 Area TEDF including the 242-A Evaporator cooling water and steam condensate, 241-A tank farm cooling water, B Plant/WESF cooling water, and 284-E Power Plant. Each facility must comply with discharge limits in the WAC 173-216 State Waste Discharge Permit without further treatment. The LERF provides temporary storage for liquid effluents awaiting treatment in the ETF. It also provides flow and pH equalization of the feed to the ETF. Projects which send liquid effluents to the LERF, or will in the future, include TWRS (process condensate from the 242-A Evaporator, waste water from Phase I and II privatization); Spent Nuclear Fuels (basin level control water, K Basins water); Waste Management (mixed waste trench leachate, waste water from 222-S and WSCF laboratories); Facility Stabilization (PUREX and B Plant waste water); and Environmental Restoration (N Basin water, ERDF leachate, 200-UP-1 groundwater). The 242-A Evaporator and the ETF must be maintained in a safe, environmentally compliant standby mode to allow restart and operation as needed. The 242-A Evaporator provides waste volume reduction support to
28	ART Min Safe	This Unit Of Analysis provides S&M for the Fast Flux Test Facility (FFTF) and support facilities, the 309 Building, the 337 Highbay, the 335 Building, and the Fuels and Materials Examination Facility (FMEF). The facilities will be maintained in a safe condition, compliant with statutory, regulatory, and DOE requirements. This UOA includes the assumption that costs for the FMEF are partially offset by anticipated income from other programs utilizing available space

FY99 Priority	"Unit of Analysis"	What Are We Buying?
29	300 Area Liquid Effluent Facility Minimum Safe	The 300 Area TEDF receives a continuous feed of wastewater from over three dozen 300 Area facilities through the Process Sewer system, and operation of the TEDF is essential to continuing 300 Area activities. The 300 Area TEDF provides for treatment of liquid industrial wastes, much of which is generated by the 300 Area laboratories, which are critical to the site cleanup mission as support for waste characterization and technology development for tank waste remediation efforts. The constituents requiring treatment are heavy metals and organics. After treatment, the effluent is monitored and discharged through an outfall to the Columbia River under a National Pollutant Discharge Elimination System (NPDES) permit. Solid waste generated from the process is disposed as fill material by the Solid Waste Program. The 340 Waste Handing Facility (including the 307 Basins) collects radioactively contaminated liquid wastes through the Radioactive Liquid Waste System (RLWS) sewer and potentially radioactively contaminated waste through the Retention Process Sewer (RPS) which serve the laboratories and other facilities in the 300 Area (primarily 324, 325, 326, 327, and 329 Buildings/Laboratories). These facilities perform tank waste and spent fuels related characterization and technology development in support of the site cleanup mission. The collected waste is periodically transferred via rail tank car to the 200 Area for storage in double shell tanks. Because there is no RCRA permit in place, wastes cannot be stored at the 340 Facility for greater than 90 days.
30	Min Safe - 100 Area D&D S&M	S&M of 8 Reactors and over 100 Ancillary Facilities; Protection of workers, the public, and the environment from intrusion into the surplus facilities and protection from the spread of contaminants from the facilities.
31	Min Safe - 100 AREA D&D - Fac Trans S&M	S&M of N Reactor, and K Basins; Protection of workers, the public, and the environment from intrusion into the surplus facilities and protection from the spread of contaminants from the facilities.
32	B-Plant Min Safe	Minimal required activities to maintain B Plant in a short term safe configuration pending hazards reduction and long term stabilization. This includes routine surveillances of the facility to identify if and when radioactive and/or hazardous materials are no longer within the required isolation and performing corrective actions as needed and maintenance of critical systems needed for personnel safety and facility stability.
33	Liquid Effluent Minimum Safe Program Management	Program Management provides the overall coordination, direction and customer interface for the activities in the Liquid Waste Program. Administrative support is provided for program documentation, funds management, scheduling, and reporting. Support is also provided for the continued application of activity based cost estimating and resource loaded scheduling.
34	222-S Laboratory Minimum Safe	This program ensures that the 222-S Laboratory Complex is available in a "ready-to-serve" configuration that meets the capability and capacity requirements of the Hanford Mission. Workscope includes readiness for preparation and analyses of samples greater than 1 mR/hr. Workscope includes maintenance of the building and analytical equipment, engineering, quality assurance, health physics, utilities, waste disposal, and other activities required to ensure a safe, efficient operation of the Laboratory. This activity specifically operates at a level that supports the monitoring and sampling activities that other programs perform in order to maintain each at their minimum safe level.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
35	WSCF Minimum Safe	This activity provides for the operation and maintenance of the Waste Sample and Characterization Facility (WSCF) Complex in a ready-to-serve state. The mission of the WSCF is to provide general analytical chemistry services for samples less than 10 mR/hr in support of Hanford programmatic missions. Workscope includes operation and maintenance of the building and analytical equipment, field and analytical sampling and analyses, support from engineering, quality assurance and health physics, performance evaluation programs, service assessments for steam, laundry, utilities, waste burial/disposal, etc., production control and material control support, and other activities required to ensure a safe, efficient operation. This activity specifically operates at a level that supports the monitoring and sampling activities that other programs perform in order to maintain each minimum safe level.
36	TWRS Organic Minimum Safe Operations	This Unit of Analysis sheet addresses two organic safety issues: (1) condensed-phase propagating reactions due to the presence of nonvolatile organics mixed with nitrate/nitrite salts, and (2) vapor phase combustion of semi-volatile process solvents present as a separable phase in the waste. The schedule is: close the organic complexant USQ in FY 1998; complete testing on real waste to confirm safe storage, and update the organic nitrate and organic solvent Safety Analysis Reports in FY 1999; and mitigate/resolve the organic safety issues by FY 2001.
37	MIN SAFE - Long Term S&M	Post Remediation Monitoring of 1100 Area per the close-out of the 1100 NPL Area
38	MIN SAFE HANFORD ENVIRONMENTAL SURVEILLANCE	Funding for this UOA will: • Trace the spread of contamination beyond the immediate vicinity of source areas • Assess the cumulative effect of numerous releases that are individually within allowable limits. • Determine the potential risks to site workers and off site populations. • Provide accurate, daily, site specific forecasts of meteorological conditions required by key Hanford programs (e.g., tank farm operations, drill rig operations, facility operations) to determine when work can be conducted safely and when to take actions to prevent damage from severe weather conditions (freezing, high winds, etc.). • Support emergency response organizations in controlling range fires and controlled burns and in determining the rate and direction of contaminant spread during an accidental release from the site. This information is used to direct evacuations of workers and the public, and enhance the safety of emergency response teams.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
40	300 Area FSS Min Safe	A safe and complaint RCRA-nuclear facility. This workscope maintains 15 buildings in the 300 Area in a radiologically and environmentally safe condition. Twelve of these buildings are classified as radiological and/or RCRA TSD buildings, and this unit supports the effort required to comply with state, federal, and DOE requirements for such facilities. No associated RL or HQ milestones This unit also maintains compliant storage of 1200 metric tons of SNM in six of the above 15 buildings (3712, 3716, 303A, 303E, 303B, and 303G). These buildings are classified as a nuclear facility and are required to comply with Interim Operations Safety Requirements (IOSR's) and DOE requirements for such a nuclear facility. No associated RL or HQ milestones.
41	Analytical Services Min. Safe Prog. Mgmt.	Program Management: The planning and integration function provides the overall integration support for long range Analytical Services requirements, strategic planning and scheduling, and Hanford Analytical Services Plan documentation. Quality Systems: The management system that determines and implements the quality policy. They will establish and maintain a structured and documented system that describes the policies, objectives, principles, responsibilities, accountability, and implementation of quality plans needed to ensure quality of "AS" work processes, products, and services. Regularly assess the adequacy of the Quality Systems portion of the "AS" quality program. Award Fee: Analytical Services Award Fee for performance agreements. CENRTC: This activity provides for the procurement of new, upgrade, or replacement equipment and instrumentation required to maintain minimum safe capabilities. Commercial Laboratory: The management and support of sample data laboratory administration, sample data log-in, verification, transmittal, and disposal of remaining material from commercial laboratories. Business Management: The business management and financial control activities for Analytical Services includes the development and preparation of the Analytical Services Multi-Year Work Plan, Activity Based Cost Estimates, Resource Loaded Schedules, preparation of the Analytical Services Program Baseline Summaries, change control, and other monthly financial reporting.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
42	2706-T Minimum Safe	Provides minimum safe support capabilities at the 2706-T Facility. Operational activities include decontamination, waste treatment and verification, and liquid waste tank car operations. Support activities for these operations include base maintenance, training, ES&H support and administrative functions and are designed to keep the facility in a hot standby, ready-to-operate configuration. Actual operations activities are not included in this unit of analysis. Maintenance activities include corrective and preventative maintenance and calibration and testing services. Training includes those items necessary to allow plant personnel to work in a treatment, storage and disposal facility such as facility orientation and RCRA 24-hour training. Operations qualifications training is not included. ES&H support provided dedicated environmental and waste management activities and industrial health and safety support as required. Administration activities include clerical support and administrative procedures.
43	T-Plant Canyon Minimum Safe	Provides minimum safe support capabilities at the T-Plant Waste and Decontamination Services Canyon Facility. Supported operations include 221-T canyon decontamination, remote handled waste treatment and verification, and spent fuel storage operations. Support activities for these operations include base maintenance, training, ES&H support and administrative functions and are designed to keep the facility in a hot standby, ready-to-operate configuration. Actual operations activities are not included in this unit of analysis. Maintenance activities include corrective and preventative maintenance and calibration and testing services. Training includes those items necessary to allow plant personnel to work in a treatment, storage and disposal facility such as facility orientation and RCRA 24-hour training. Operations qualifications training is not included. ES&H support provided dedicated environmental and waste management activities and industrial health and safety support as required. Administration activities include clerical support and administrative procedures.
44	WRAP Min Safe	Provides for facility maintenance, surveillance, administration/ management, and training as required by applicable procedures/regulations, excluding those activities associated with NDE/NDA, LLW and TRU process line operations. Also included are the Program Management and Systems Engineering support required for facility oversight, as well as non-project startup, Final Safety Analysis Report (FSAR), and Operational Readiness Review (ORR) activities.
45	Min Safe - GW MGT CERCLA/RCRA Monitoring & Reporting	Site wide Groundwater and Environmental Monitoring
46	MIN SAFE - RARA	Maintenance of over 390 waste sites that the spread of surface and biotic contamination to workers, the public, and the environment.
47	MIN SAFE - ASBESTOS ABATEMENT	Asbestos Abatement Project Management
48	MIN SAFE - 200 AREA D&D - S&M	S&M of 50 inactive facilities (including REDOX & U Plant); Protection of workers, the public, and the environment from intrusion into the surplus facilities and protection from the spread of contaminants from the facilities.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
49	MIN SAFE - 200 AREA D&D - Facility Transition S&M	S&M of 100 inactive facilities (including PUREX and B Plant); Protection of workers, the public, and the environment from intrusion into the surplus facilities and protection from the spread of contaminants from the facilities.
50	Min Safe - 300 Area D&D - Facility Transition S&M	S&M of 30 inactive facilities (including FFTF); Protection of workers, the public, and the environment from intrusion into the surplus facilities and protection from the spread of contaminants from the facilities.
51	Minimum Safe Effluent and Environmental Monitoring (EEM)	This Unit of Analysis (UOA) provides two vital services to help maintain on-site work safety and health and off-site public safety and health. First, the primary EEM work scope provides Hanford on-site monitoring of liquid and gaseous effluents, and the environment immediately around the Hanford facilities which may contain radioactive and/or hazardous constituents. Monitoring data are collected, evaluated, and reported to determine the degree of compliance with applicable federal and state laws, regulations and permits. Second, the NESHAP work scope supports development, maintenance, and administration of the Hanford NESHAP Federal Facility Compliance Agreement (FFCA), dated February 7, 1994, within the 100, 200, 300, 400, and 600 Areas of the Hanford site. Compliance is in accordance with the In accordance with the FFCA, the U. S. DOE, Richland Operations Office (RL) will ensure completion of all milestones and other required activities to achieve compliance with applicable requirements of the 40 Code of Federal Regulations (CFR) 61, Subpart H. This includes continuous measurement of major point sources (stacks or vents) of radioactive emissions to the air. These are ongoing responsibilities, therefore, this is an ongoing UOA which provides a single, consistent, and centralized radioactive air emissions expertise for Hanford on-site activities.
52	CWC/LLBG Minimum Safe	Provides for safe, compliant facility conditions in preparation to receive, provide interim storage, and/or dispose of low level, mixed, TRU and hazardous waste from onsite and offsite generators; for operations, preventive and corrective maintenance, management/administration, and training of the Central Waste Complex, Low Level Burial Grounds, Non-Radioactive Hazardous Waste Storage Facility, TRUSAF, and Mixed Waste Disposal Trenches; TRUSAF transition preparation; and Solid Waste Environmental Impact Statement development. Includes activities necessary for operations monitoring and surveillance of existing inventories of waste, providing safety documentation including the required annual updates to the authorization basis to maintain a safe working envelope, providing a safe working environment for onsite personnel, and protecting the public and the environment from inadvertent or uncontrolled releases of radioactive or hazardous wastes.
53	Solid Waste Minimum Safe Program Management	Provides for the maintenance activities supporting Solid Waste facilities trailers; provides for Systems Engineering, Program Management, Data Management, Safety/Health, Safeguards and Security, and Management/Training/Administration necessary for daily operations..

FY99 Priority	"Unit of Analysis"	What Are We Buying?
54	Minimum Safe - Essential Site Infrastructure Maintenance	Maintenance and repair of core infrastructure systems, which includes utilities, services, and facilities throughout the Hanford Site. The activity includes the maintenance and replacement of the following systems: highways and roads; supply and distribution of water for domestic and fire protection purposes, primarily in the 200 and 100 Areas as other areas will be supplied by other agencies; sanitary waste water collection, treatment, and disposal (majority of these are septic systems north of the Wye Barricade); telephone and telecommunication networks (includes emergency and industrial signals, Hanford Local Area Network); the fire department equipment and facilities, and primary electrical distribution. This activity emphasizes routine maintenance of the infrastructure systems. Replacement of systems will be done only when cost effective and life cycle savings can be realized. This activity will include the preparation of system assessments, tasks definition and preliminary engineering, National Environmental Policy Act documentation, and the design, procurement, and installation of the system being maintained or replaced. The infrastructure si needed to support the overall mission of the Hanford Site which includes waste management, environmental cleanup, and paved main highways and roads.
55	Minimum Safe - Surveillance, Maintenance & Deactivation of Vacant General Purpose Facilities.	Surveillance and maintenance of vacant general purpose facilities and equipment, disposition of contaminated equipment with RCRA issues, and utility isolation of vacant general purpose facilities.
56	Transition Project Management	• Centralized program, project, and business management to plan, execute, and control the Facility Stabilization Project. • Common safeguard and security support, centralized coordination of environmental and historical compliance activities, systems engineering (SE), communications support, management of SNM, conduct of operations support, and advanced deactivation planning. • Development, maintenance and implementation of policies and procedures governing the use, control, and overview of transportation and accountability of SNM. • Planning and management support for the disposition of various SNM. • Support to maintain site security requirements and the design and installation of Safeguards and Security (SAS) system upgrades for Facility Stabilization Project facilities. • Development of the strategy to deactivate facilities and store SNM/NM/NF.
57	Canister Storage Building Operation	A new facility designed to safely store about 2100 metric tons of irradiated metallic uranium fuel for about 40 years, or until the fuel is sent to a repository or otherwise dispositioned. This fuel is currently stored in the K Basins, but the basins have exceeded their design lives, and the fuel is deteriorating due to corrosion. The CSB is a reinforced concrete vault structure with about 220 tubes designed to hold containers (referred to as Multi-Canister Overpacks - MCO's) of K Basin spent nuclear fuel, with the tubes providing secondary containment of the radioactive fuel during long term storage. This facility is an essential part of the project to safely store irradiated fuel at Hanford.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
58	Emergency Preparedness Grant	Grant to State of Washington
59	State of Oregon Hanford Oversite	Grant to Oregon
60	RCRA Mixed Waste Fee	Reimburse Ecology for costs related to implementing TPA and applicable RCRA regulations [(elements include office, staff, and staff support for the purposes of facility and unit development, review, and issuance, and actions taken to determine and ensure compliance with the state's hazardous waste management act as detailed in WAC 173-328-040).]
61	Washington Dept. Of Health Oversite	WDOH surveillance grant
62	Downwinder Litigation	Litigation costs
63	Air Emissions Monitoring Payment	Payment of State of Washington fees
64	Payment in Lieu of Taxes	Payment to counties in lieu of taxes
65	Declassification of Hanford Documents	Declassification of production era documents.
66	HAB Grants & Studies	Hanford Thyroid Study/Hanford Advisory Board/Salmon Corps/Nature Conservancy etc.
70	Westinghouse Hanford Contract Closeout	WHC contract closeout costs.
72	Min Safe - 233 S D&D	D&D of 233-S Facility; Protection of workers, the public, and the environment from accidental releases due to structural failure
73	Min Safe - 100 Area C Reactor ISS	Completion of C Reactor ISS for the protection of workers, the public, and the environment.
74	B-Plant Deactivation	The deactivation and shutdown of B Plant will include the removal or isolation of significant hazards such as the highly contaminated air filters previously used as a part of the canyon and process cell exhaust and residual organics. Transition will also include the deactivation of most utilities and services. These activities will result in a facility with S&M costs reduced by approximately $18 Million per year.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
75	IAEA Support	As directed by International Agreement, PFP will maintain the safety, security and integrity of the vault(s) assigned to the IAEA and the materials placed under IAEA safeguards. Assistance will be provided monthly, annually and on an as required basis, for vault and equipment maintenance and modifications and to assist the IAEA with inventories and assessments
76	WESF	Placing and keeping WESF in a configuration conducive to safe storage of the 150 million curies of radioactive materials requires significant upgrades to the safety basis and facility systems. This includes preparation of a Basis for Interim Operations and an updated Safety Analysis Report. Other significant upgrades and maintenance items include: 1. The design and construction of an emergency ion exchange system to be used for decontamination of the pool cells water in the event of a cesium capsule leak. 2. Clean-out and decontamination of the hot cells and galleries. 3. Monitoring system upgrades for detection of pool cell anomalies. 4. Hot cell window change out. 5. Capsule monitoring instrumentation and equipment.
77	B-Cell Cleanout	The 324 Facility B-Cell Cleanout Project (BCCP) is an accelerated effort to remove, disposition, and stabilize the high activity, dispersible hazardous and radioactive wastes that have accumulated within the B-Cell. The major project activities include dispersible waste management, equipment removal/size reduction, waste loadout, radioactive source term and dispersible waste collection, cell decontamination/cleaning, and the disposition of waste which is collected and generated during the cleanout operations. This effort will also include removal of the inactive research equipment and other materials housed within the B-Cell to prepare the facility for final transition to Decontamination and Decommissioning (D&D). The BCCP project encompasses all the physical activities within B-Cell and the airlock that are necessary to accomplish the objective of recovering, containing and properly storing or disposing the highly dispersible hazardous and radioactive wastes. BCCP work activities have been identified as critical path necessary for completing the overall facility transition mission. An integrated scope, cost and schedule baseline which logically supports the achievement of the BCCP has been developed. The integrated baseline relies on a resource loaded critical path methodology. Factored into the baseline is updated estimating information regarding expected waste removal, productivity improvements, staffing requirements, and waste generation volumes.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
78	CsCl Legacy Safety Program	The following actions will be completed in FY 1997. Some of the actions will be partially funded by WBS 7.1.8.3.1. These actions include: • Establishment of WESF acceptance criteria for Type W overpacks • Acquisition of an ultrasonic testing (UT) system to be used to verify that the welds on the Type W overpacks meet the acceptance criteria for storage in the WESF pool cells • Installation of Type W overpacks on 3 capsules currently stored in F Cell at WESF and one non-swollen capsule currently stored in the 327 Building • Performance of UT on all Type W overpacks • Shipment of the capsules in Type W overpacks to WESF for long term storage. Additional work to be accomplished during FY 1997 is decontamination of South Cell to allow manned entry to replace filters and perform preventative maintenance on the in-cell crane and PAR (a powered manipulator arm). Work scheduled for FY 1998 is disposition of the Nordion Capsules and the CsCl powder and pellets. Presently a disposition pathway for this material has not been identified. Three disposition options exist: 1) enclose the material, seal it in a Type W overpack and ship it to WESF, 2) dispose of the material as class C waste, and 3) transfer the material to a private source manufacturing company. The disposition of the Nordian capsules, powder, and pellets will be determined as part of the project management activities to be completed in FY 1997. Work scheduled for FY 1999 is decontamination and cleanout of the South Cell compartments to allow the 324 Building to be deactivated. Establishing the deactivation criteria is within the scope of another project and will be completed during FY 1997.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
79	327 Legacy Fuel Removal	The 327 Legacy Fuel Removal Project is an accelerated project which includes consolidation and disposal of legacy fuel (Vulnerability Reduction) and materials currently located at 327. The project will package fuel, fuel segments and pins, and related material; characterize the existing and resultant waste material; and prepare the containers for transport to the 200 area Central Waste Complex. The scope of this project is broken into two phases. Phase one includes removal, consolidation, packaging, and preparation of the legacy experimental fuel stored in the PTL basin for shipping to the 200 Area Central Waste Complex by September 30, 1997. Phase two includes removal, packaging, and preparation of the RH-TRU waste buckets located in the facility for shipping to the 200 Area Central Waste Complex by September 30, 1999. A performance agreement was established in October 1996 in response to the vulnerability HAN 2-5 "Lack of approved disposal pathway for RINM causing a backlog of RINM at all 3 Hot Cell Facilities at PNL Buildings 324/325/327" addressed in the *Plan of Action to Resolve Spent Nuclear Fuel Vulnerabilities, Phase I, Volume I* (February 1994), and in response to the Spent Nuclear Fuel Vulnerability Assessment, documented in the *Spent Fuel Working Group Report* (November 1993). The performance expectations for the 327 Facility to comply with the performance agreement are established in Key Milestone FS8.1.1 which states "The fuel pins and pieces in 327 basin will be placed in casks and shipped a designated storage area by 9/30/97" dependant on identification of available funding and agreement on path-forward for storage location.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
80	324/327 Deactivation	The 324/327 Deactivation will include: development of the Project Management Plan for the conduct of deactivation projects, completion of the End-Point-Criteria and End-Point descriptions as required for eventual transfer to the D&D project, and development and implementation of deactivation sub-projects that at completion will reduce the risk associated with 324/327 and limit the ongoing surveillance and maintenance costs required prior to final disposition. The 324/327 deactivation project will require innovative dose management and cleanout/decontamination technologies for the safe (ALARA) and cost effective completion of the project. The deactivation sub-projects will be developed and planned using the following basic steps: Completion of the facility/area baseline survey to determine contaminant type, quantity, and form; selection of the deactivation technologies; development of the conceptual removal plan; development of waste minimization, waste segregation and the Waste Management Plan; update to the cost, schedule and cost baseline; implementation of the deactivation plan, confirmatory sampling and review; independent verification; and project closeout documentation. There are currently three major deactivation projects being conducted in the 324 facility these include the B-Cell Cleanout Project (7.1.9.1.2), the Cesium Legacy Cleanout (7.1.9.1.3), and the FRG A-Cell Cleanout Project (7.1.9.1.4). Completion of the deactivation projects will remove a considerable radiation source and reduce the overall surveillance and maintenance requirements of the facility. There are currently two major deactivation projects being conducted in the 327 facility, these include the Cesium Legacy Cleanout (7.1.9.1.3) and the Legacy Fuel Removal Project (7.1.9.2.3). Completion of the deactivation projects will remove a considerable radiation source and reduce the overall surveillance and maintenance requirements of the facility.
81	PFP Infrastructure	Provides the baseline infrastructure support to the PFP Project necessary to support Programmatic work. Without this infrastructure support, facility occupancy, including needed plant infrastructure systems such steam, water, electricity, fire suppression, potable water, lighting, roofs, sidewalks, stairways, etc., could not be maintained consistently to support programmatic activities, such as material stabilization. Also included is specific programmatic work: SNM Shipments, Pollution Prevention waste minimization, S/RIDs, Price-Anderson and DOE Requests.
82	PFP Infrastructure	Provides the baseline infrastructure support to the PFP Project necessary to support Programmatic work. Without this infrastructure support, facility occupancy, including needed plant infrastructure systems such steam, water, electricity, fire suppression, potable water, lighting, roofs, sidewalks, stairways, etc., could not be maintained consistently to support programmatic activities, such as material stabilization. Also included is specific programmatic work: SNM Shipments, Pollution Prevention waste minimization, S/RIDs, Price-Anderson and DOE Requests.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
83	FFTF Deactivation	FY 1997: Continue fuel off-load, placing approximately 84 spent, fueled components in 12 Interim Storage Casks (ISC) into the Interim Storage Area (ISA). Complete core basket, under-sodium drilling process development, which is required for draining the FFTF reactor vessel. Complete operational readiness assessment of the SSF. Remaining, planned work scope is under reevaluation due to the Hot Standby decision by DOE. FY 1998: Potentially ship sodium bonded, metal fuel to Argonne National Laboratory - West at the Idaho National Engineering Laboratory for consolidation and interim disposition. Process sodium wetted, non-fuel, long assemblies for disposal. Process special fuel test assembly ACN-1 for disposition to interim storage. Final scope during Hot Standby is under review. FY 1999: Assuming a resumption of transition to shutdown in January 1999, the FFTF sodium loops will be drained to the SSF (approximately 215,000 gallons of sodium.) The remaining 22 ISCs will be procured for delivery in FY 2000 - 2001(estimated cost $8.8M). Fuel off-load will resume, including the transfer of unirradiated and radioactive, fueled components to the Plutonium Finishing Plant. Available ISCs will be filled by the end of calendar year 1999.
85	W-178 219-S Containment	This addresses the activities to be completed in Phase II of Line Item Project W-178. Once complete, this phase will have addressed the Analytical Services portion of the M-32 Milestone connecting the tanks in 219-S to the transfer pipeline in Project W-087 (to be completed by September 1997). These tanks will receive the liquid waste from the 222-S laboratory. Once interconnected with the transfer pipelines, this system will alleviate the need to transfer liquid waste from the 222-S Laboratory to the tanks via tanker truck. Failure to complete this project will result in less 219-S tank space being available than originally planned. This would result in less flexibility in the 222-S Laboratory operations. These tanks will be storing dilute quantities of radioactive wastes. The tanks will have to meet the regulations governing the stability and containment of these wastes. To accomplish this task, this activity will include the removal of Tanks 101 and 102 from service to allow the tanks to be physically removed from the concrete vault. A prefabricated stainless steel liner will then be installed in the bottom of the vault. The tanks will then be reinstalled and seismically secured. Leak detection for the vault, pumping capabilities, and tank monitoring capabilities will also be installed. At the end of Phase II, Tanks 101 and 102 will be placed back into service along with Tank 104 which was previously installed during Phase I of the project. Completion of these activities will bring the 219-S facility into compliance with WAC 173-303 state requirements for secondary containment and leak detection.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
86	Secondary Containment Project (W-259)	This unit of analysis provides for the construction of a double contained waste collection system for the 2706-T Decontamination Facility operation. This project implements Tri-Party Agreement Milestone M-32-03. This capital project installs double contained piping and tankage and support equipment necessary to contain 2706-T generated RCRA wastes. These wastes are currently managed in 221-T canyon piping and tank systems and are not in compliance with federal and state requirements. Also included in this unit of analysis is the expense support required by facility operations to maintain safe operations during construction and funds to provide an acceleration to the schedule baseline.
87	PFP Stabilization	The stabilization and vault placement of Pu bearing materials will dispose of identified Pu Vulnerability corrective actions. This activity includes thermal treatment of and or dispositioning of TCO oxides, oxides/MOX, misc. residues, solution treatment, polycube stabilization, misc. materials, metals and HEU shipped off-plant.
89	TWRS As-Built Drawings	This activity integrates existing programs, procedures, and ongoing efforts to focus the sound configuration management principles for as-building documentation into a single uniform approach. Specific activities are to: - Operate all Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of Tank Farm Storage Facilities in support of Waste Characterization, safety issues resolution, and waste receipt and transfer from stabilization/isolation and facility cleanout. - Receive small amounts of slightly radioactive HVAC condensate from other Hanford facilities in minimum safe operations. - Complete accelerated walkdowns and field verify essential drawings
91	PFP Deactivation	The following buildings or facilities within the PFP complex are part of this Deactivation Project: • 234-5Z Plutonium Fabrication Facility, Main Processing Building • 236Z Plutonium Reclamation Facility (PRF), Process Canyon Building • 241Z Tank Farm Waste Disposal Building • 242Z Waste Treatment Facility • 243Z Low Level Waste Treatment Facility • 291Z Exhaust Ventilation Building and Exhaust Stack • 2736Z Plutonium Storage Facility (PSF) • 2736ZB Product Shipping and Receiving Facility • 231Z Cells 3-6 of the Materials Engineering Laboratory • Associated support buildings

FY99 Priority	"Unit of Analysis"	What Are We Buying?
92	Laboratory Sample Management Activities	Commercial Waste Return: Provides for the return of samples that have been analyzed at offsite commercial laboratories. This includes assistance to offsite laboratories for packaging, unpacking, logging of returned samples to site, and safe disposal of all wastes. Sample Management Office: Develop Analytical Services Program strategy as directed by DOE. Support consolidation of site commercial contracts, perform Make-Buy on laboratories and recommend where analytical work should be performed. Special Analytical Studies: Provides the base operations and long term capability for field analytical services. Includes development and validation of new analytical techniques to support in the field analytical sample analysis operations. Program Management: Provides for the PHMC FDH Project Director to Analytical Services. Business Management: Provides a scheduler and half of a secretary to support resource loaded schedules, Activity Based Cost Estimates, and Multi-Year Work Plan development.
93	Facility Transition Support	ER support for facility transition activities to verify conditions meet the ER Program needs.
94	RL - Program Management and Support	Management and Oversight

FY99 Priority	"Unit of Analysis"	What Are We Buying?
95	HAMMER	This funding provides DOE's share of the facility operations/maintenance, training support services, brokering, development, training quality control and program management. HAMMER will host and facilitate hands-on performance based health and safety training appropriate to its customers, facilitate training of emergency responders along the hazardous materials transportation routes, create a highly skilled workforce capable of meeting the cleanup needs of the DOE by hosting proven training programs, decrease recordable injuries and exposures while increasing productivity at Hanford, demonstrate and test new waste management and clean-up technologies at HAMMER by utilization of simulated waste sites and props. Beyond Hanford, the entire DOE complex will benefit from the training approaches demonstrated at the HAMMER facility. Thus, HAMMER will: • Train to save lives and reduce injuries. • Reduce training costs. • Establish a new training industry for the region. HAMMER facilities and programs will be versatile enough to meet the training needs of the Hanford Site as clean-up evolves and as new technologies are utilized. The permanent HAMMER facility will be an operational training program and facility into the foreseeable future. The current end state for the HAMMER Program is 09/30/2070.
96	Hanford Environmental Management Program	Provide RL with support to management and facilities on overall NEPA/SEPA activities to ensure consistency and compliance. Primary activities include maintenance of NEPA compliance files and databases, collecting and disseminating general NEPA/SEPA compliance information to management and facilities, evaluating and commenting on draft DOE NEPA guidance and programmatic EISs, coordinating cultural and biological reviews with NEPA review, integration of NEPA review with contractor planning processes, updating of Quality Training Resource Center (QTRC) NEPA training for Hanford Site, and implementation of an Environmental Management System for the Contractor.
97	HANFORD RESOURCE PROTECTION REG COMPLIANCE	Funding for this UOA will: • Protect endangered species on the Hanford site. • Provide for NEPA compliance in the 100 and 200 Areas • Protect Hanford archaeological resources.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
98	Move Fuel Away From the River	This UOA, in conjunction with UOA's to build the Canister Storage Building (CSB) and Conditioning Systems, assures the safe removal of 2100 metric tons of irradiated metallic uranium fuel, containing millions of curies of radioactive materials, from its current storage location in the K Basins near the Columbia River. This UOA provides for acquisition of systems required for fuel, sludge, and debris removal. Within the scope of this UOA, fuel is removed from the existing canisters, cleaned and loaded into MCOs, transported to the Cold Vacuum Drying (CVD) facility, and ultimately the CSB. Sufficient MCOs and cask/transporters will be acquired to accommodate K Basins fuel elements and fuel scraps. K East Basin canister and floor sludge and K West Basin canister sludge will be accumulated in the basin weasel pits for transfer to underground double-shell storage tanks for storage and disposal with other tank wastes. Debris will be collected, packaged and disposed of through the Hanford Solid Waste Program. Basin water will be treated as necessary to maintain water quality during fuel removal operations. Upgrades to the K Basin facilities will be completed as needed to facilitate fuel removal operations. This UOA also supports management and technical integration of the entire SNF Project; provides authorization basis documentation; provides technical data required for design, safety analysis, and operation of fuel and sludge removal, conditioning facilities and Canister Storage Building operations.
99	Canister Storage Building	This UOA acquires the facility and equipment for staging and interim storage of the 2100 metric tons of irradiated metallic uranium fuel, following removal from its current storage location in the K Basins near the Columbia River and for future high level materials storage. This includes the design, procurement, and construction of the CSB structure, Annex for the HCS, storage tubes, storage tube plugs, service pit, and MHM, as well as development of safety and environmental documentation, including necessary permits. This UOA also provides for operation of the CSB until hot conditioning is completed and all K Basins SNF is in interim storage, and the facility is turned over for long term operation (UOA for "CSB Minimum Safe Operation").
100	Fuel Conditioning Facilities	This UOA acquires the facility and equipment for cold vacuum drying and hot conditioning of the 2100 metric tons of irradiated metallic uranium fuel, following removal from its current storage location in the K Basins near the Columbia River. This includes the design, procurement, and construction of the CVD structure and processing stations, and the HCS processing stations, as well as development of safety and environmental documentation, including necessary permits. Design and construction of the HCS Annex is included in the "CSB" UOA. This UOA also provides for operation of the CVD and the HCS for all the K Basins SNF.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
101	Disposition Other Hanford SNF	This UOA provides safe, compliant, and cost-effective long-term management of SNF currently at Hanford Site facilities other than the K Basins. This UOA results in SNF removal from existing facilities, such as T Plant and 324/325/327 Buildings, to achieve significant risk and mortgage reduction. This UOA provides for a long-term storage configuration for the non-defense production reactor SNF that satisfies requirements for nuclear safety equivalent to comparable NRC licensed facilities. This UOA consolidates SNF in a manner that effectively stages materials for subsequent final disposition. This UOA provides for transfer of sodium bonded FFTF SNF offsite for treatment required to implement final disposition. This UOA also provides for minimum safe operations of the NRF TRIGA and LWR SNF at the 400 Area and all SNF stored at the 200 Area ISA through SNF Project completion. This UOA also provides plans for final disposition of Hanford Site SNF, including factoring final disposition considerations into near-term management activities, supports definition of national SNF policy and requirements for DOE-owned SNF management, and satisfies SNF Project reporting commitments for DNFSB Recommendation 94-1.
102	TWRS Waste Characterization (Support to Evaporator)	Work scope to provide support to Tank Farm Operational Requirements. This includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling.
104	TWRS Waste Characterization (Organics Support)	Work scope to provide support to the Organics Program. This includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
105	TWRS Organic Moisture Monitoring	Undue and unmitigated drying of a tank with more than 4.5 wt% organic salts could result in a condensed phase propagating reaction accident. This Unit of Analysis sheet provides for a Surface Moisture Monitoring System (SMMS) to be operated in six tanks in FY 1998 and approximately eleven tanks in FY 1999. Additional deployment equipment will be completed in FY 1998 and a decon system will be completed in FY 1999. Moisture addition/control will be evaluated in FY 1998 and implemented in FY 1999 for tanks requiring mitigative actions.
106	TWRS Vadose Drilling Zone/Mapping (West)	Specific activities are to: - Operate all 200 West SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agrement. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 West SST Tank Farm Storage Facilities. 200 West SST Minimum Safe Operations will continue until the tank wastes are remediated.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
107	TWRS Waste Characterization (Support to 93-5 Commitment 5.6.3.X)	Work scope to provide support to the 93-5 commitment 5.6.3.X resolution. This includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
108	TWRS 200 East SST Control, Clean & Stable	Specific activities are to: 1. Tank Farm Configuration Upgrades. Daily routine monitoring of safety basis data will be obtained without entering the tank farm. Less frequent data collection and routine maintenance will continue to require farm entry. Essential drawings will be upgraded to as-built. 2. Operating Envelope Defined and Implemented. Resolution of controlled, clean, and stable technical issues will be completed when all safety requirements from the authorization basis and unreviewed safety question (USQ) issues associated with the farm are resolved and justification for continued operation (JCO) and applicable environmental regulatory requirements are implemented. Inactive Miscellaneous Underground Storage Tanks (IMUST) activities will be performed to ascertain general waste and tank conditions of tank interiors for IMUSTs within the tank farm boundary. A document of the resolution of technical issues and compliance to safety and environmental requirements will be issued for each tank farm. 3. Surface Contamination Clean Up. A specified square footage of tank farms contaminated surface area will be stabilized, decontaminated, and/or surveyed and down-posted to a lower risk radiological posting to support the controlled, clean, and stable mission. For the purposes of this criteria, the following radiological postings will qualify as an acceptable measure of completion: High Contamination Areas, Contamination Areas, Fixed Contamination Areas, Soil Contamination Areas and Airborne Radioactivity Areas. 4. Abandoned Equipment Removal. Abandoned, unneeded equipment above the ground will be removed. The 200 East area SST tank farms will be cleaned up and upgraded to a controlled, clean, and stable condition and will be turned over to the SST Waste Retrieval project; planned for 2001.
109	Program Management and Support	Safety, QA, Reg Compl., Data Mgmt., Engr. Plan for Min Safe
110	200 ZP GW Remedial Action	Treatment of 1.2B liters of groundwater. Removal of CCl_4 from the Vadose zone.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
111	Must Do - Disposition of Vacant General Purpose Facilities/Mortgage Reduction	Demolition of vacant general purpose facilities and 200 Area Water Automation.
112	200 Area Liquid Effluent Facility Operations	Available storage space in the double-shell tanks (DSTs) to support remediation of the tank waste and cleanup of the Hanford Site is limited. Dilute liquid tank wastes are concentrated in the 242-A Evaporator to reduce their volume. This makes space available in the DSTs and eliminates the need to construct additional DSTs. The concentrated waste is returned to the DSTs. The process condensate from the 242-A Evaporator is temporarily stored in the Liquid Effluent Retention Facility (LERF) while awaiting treatment in the ETF. The ETF is a RCRA-permitted facility that uses best available technology to treat radioactive and hazardous waste water. The ETF provides for collection of liquid effluents, treatment to acceptable levels, verification of compliance with discharge limits, and discharge to a state-approved land disposal site. Projects which generate liquid effluents which are or will be treated in the ETF include TWRS (process condensate from the 242-A Evaporator,

FY99 Priority	"Unit of Analysis"	What Are We Buying?
113	TWRS 200 West SST Control, Clean & Stable	Specific activities are to: 1. Tank Farm Configuration Upgrades. Daily routine monitoring of safety basis data will be obtained without entering the tank farm. Less frequent data collection and routine maintenance will continue to require farm entry. Essential drawings will be upgraded to as-built. 2. Operating Envelope Defined and Implemented. Resolution of controlled, clean, and stable technical issues will be completed when all safety requirements from the authorization basis and unreviewed safety question (USQ) issues associated with the farm are resolved and justification for continued operation (JCO) and applicable environmental regulatory requirements are implemented. Inactive Miscellaneous Underground Storage Tanks (IMUST) activities will be performed to ascertain general waste and tank conditions of tank interiors for IMUSTs within the tank farm boundary. A document of the resolution of technical issues and compliance to safety and environmental requirements will be issued for each tank farm. 3. Surface Contamination Clean Up. A specified square footage of tank farms contaminated surface area will be stabilized, decontaminated, and/or surveyed and down-posted to a lower risk radiological posting to support the controlled, clean, and stable mission. For the purposes of this criteria, the following radiological postings will qualify as an acceptable measure of completion: High Contamination Areas, Contamination Areas, Fixed Contamination Areas, Soil Contamination Areas and Airborne Radioactivity Areas. 4. Abandoned Equipment Removal. Abandoned, unneeded equipment above the ground will be removed. The 200 West area SST tank farms will be cleaned up and upgraded to a controlled, clean, and stable condition and will be turned over to the SST Waste Retrieval project; planned for 2001.
114	TWRS Tank Farm Integrity Assessment (East)	Specific activities are to: - Operate all 200 East DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations. - Perform surveillance monitoring including data acquisition and analysis. - Provide routine operations and maintenance of 200 East DST Tank Farm Storage Facilities in support of Waste Characterization, safety issues resolution, and waste receipt and transfer from stabilization/isolation and facility cleanout. - Receive small amounts of slightly radioactive HVAC condensate from other Hanford facilities in minimum safe operations. 200 East DST Minimum Safe Operations will continue until the tank wastes are remediated.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
115	TWRS Waste Characterization-tWAPS/T Cr Development (M-44)	Work scope to provide for TWAP/TCR development. This includes planning, technical basis, engineering, sample collection and sample analysis for support to the technical basis program.
116	DST Waste Retrieval	The DST Waste Retrieval Project will provide management, planning, and systems definition for the initial DST retrieval system and privatization feed staging, and assume minimum safe operations of the DST tank farms beginning in FY 2006.
117	Initial Tank Retrieval System (ITRS)- DST (W-211)	The scope of project W-211 is to install two mixer pumps and related systems in ten DSTs.
118	TWRS Privatization Infrastructure Phase I	Phase I, Support Systems Acquisition provides the site infrastructure required by two privatization contractors. The specific infrastructure requirements were developed by RL during the development of privatized disposal service requirements. The specific infrastructure needs will be reflected in Interface Control Documents and contained in the Functions and Requirements document. Further decomposition of requirements have been made through engineering studies/analysis. The Phase I systems required are electrical, water, site/roads, and liquid effluents. It also includes tasks associated with the turnover of feed tanks to the privatization contractor.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
119	TWRS Regulatory Unit Program Support	The activities for execution of the regulation of TWRS Privatization Contractors are summarized in the following elements: Top-Level Standards and Principles - A set of top-level radiological and nuclear safety standards and principles, including applicable fundamental safety principles, will be formulated by DOE and stipulated to the Contractor as a basis, along with applicable laws and regulations, for the Contractors preparation of subordinate safety standards and requirements. Standards Identification - A DOE defined process will be established and stipulated to the Contractor for the Contractors= preparation of a set of subordinate safety standards and requirements. Approval of Contractors Recommended Standards and Requirements - The set of subordinate radiological and nuclear safety standards recommended by the Contractor will be formally reviewed and approved by the TWRS Regulatory Officer (RO). Following the approval of the set of standards by the TWRS RO, the set will be incorporated into the contract as mandatory safety requirements with which the Contractor must comply. Initial Safety Evaluation - Near the end of the Contractors performance of concept development, a formal review of the Contractors Initial Safety Assessment (ISA) will be performed and documented. The purpose of this review will be to assess the viability and sufficiency of the Contractors approaches to achieve and maintain adequate safety through its proposed design and management practices. The results of this review will be made available for DOE consideration in Contractor selection to demonstrate tank waste treatment services at fixed unit prices. Construction Authorization - A formal review of the Contractors Construction Authorization Request, which will included the proposed AAuthorization Basis@ for the construction of the Contractors facility, will be performed and documented. The Contractor will not proceed with construction until the RO has issued an Authorization Agreement with the Contractor. Operating Authorization - A formal review of the Contractors Operating Authorization Request, which will include the proposed Authorization Basis for the operation of the Contractors facility, will be performed and documented. The Contractor will not proceed with operation until the RO has issued an Authorization Agreement with the Contractor. Regulatory Oversight - Regulatory oversight, including onsite inspection of the Contractors implementation of the Authorization Agreements will be performed. The RO will refer situations that involve potential violations of nuclear safety requirements, that might warrant the imposition of civil or criminal penalties to the Office of Enforcement and Inspection under the Assistant Secretary of Environment, Safety and Health (ASEH) for further investigation and, if warranted, enforcement action. Deactivation Authorization - A formal review of the Contractor's Deactivation Authorization request, which will include the proposed Authorization Basis for the deactivation of the Contractors facility, will be performed and documented. The Contractor will not proceed with deactivation until the RO has issued the Authorization Agreement with the Contractor.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
120	TWRS Privatization Program Management (WIT) Phase I	The Waste Disposal Integration Team provides direct and continuous support to the Waste Disposal Division in the areas of program administration, funds management, communications and external relations, technical integration, strategic planning, development and maintenance of the technical and programmatic baselines, decision and risk management, program assessment, regulatory compliance, contract negotiations, and quality assurance. It also includes technology management and technical and financial analyses.
121	TWRS LAW Support Phase 1	This Unit Provides the following services/products essential to the success of the Phase 1 LLW Privatization effort: • Establish LLW feed specifications and feed staging plans. • Work with the vendors (through Integrated Product Teams) to study Vendor/PHMC interface issues and define Interface Control Documents • Provide feed samples and analyses for vendor product development and dispose of resulting wastes • Develop an integrated TWRS flowsheet and feed delivery models • Integrate and maintain the LLW portion of the TWRS technical baseline
122	TWRS LAW - Storage and Disposal	The ILAW Storage and Disposal effort will receive ILAW from private suppliers of treatment services under contract to the DOE and provide for interim storage, disposal, closure, and monitoring of accepted waste. This Unit of Analysis includes all activities to design, construct, permit, operate and monitor the storage and disposal facilities during this planning period. The TWRS ILAW Storage and Disposal Program intends to modify the grout vaults such that they can provide for immobilized LAW interim storage in a safe, environmentally sound, cost-effective manner. Truck and cask systems will be procured to transport the ILAW from the private vendor to the storage/disposal. Operations and monitoring of the storage/disposal facilities is included in this planning base. Future storage/disposal facilities will be initiated to accommodate the remaining Phase I immobilized LAW production through June 2007, or June 2011 if an optional Phase I production extension is invoked by the U.S. Department of Energy. Planning and engineering for Phase II TWRS privatization storage/disposal is included in this planning period.
123	SST Waste Retrieval (incl. Pumping 106-C in FY98)	This project will remove and transfer wastes from 36 SSTs to resolve safety issues, provide feed for disposal operations and to allow tank closure. This includes waste removal from one SST (C-106) to resolve high-heat safety issue and provide basis for design of future retrieval systems; systems definition, design, and construction of the initial SST retrieval system for retrieval of four SSTs (future line item) and subsequent SST retrieval system for retrieval of 31 SSTs (future line item). Retrieval of remaining 113 SSTs will be privatized. The SST Waste Retrieval Project will assume minimum safe operations of all SST farms beginning in FY 2002.

FY99 Priority	"Unit of Analysis"	What Are We Buying?

124	TWRS Tank Farm Restoration & Safe Ops. (W-314)	Currently, Project W-314 is to complete the following specific activities:
		- Upgrade existing tank ventilation systems associated with facilities below:
		  - DST farms 241-AN, AP, AW, and SY (primary and annulus systems)
		  - DST farms 241-AY and AZ (annulus systems only)
		  - SST farm 241-SX
		  - Double-contained receiver tank (DCRT) 244-A
		- Refurbish or replace outdated/failed DST instrumentation and data acquisition/analysis systems as needed to improve safety and efficiency of operations. No new SST instrumentation is planned under this project; however, selected existing SST instruments may be connected to an automated data collection system.
		- Upgrade waste transfer systems to support DST waste storage operations and disposal activities. Upgrades are expected to include new pipe-in-pipe transfer lines as well as appropriate leak detection and cathodic protection capabilities.
		- Upgrade the tank farms electrical distribution system to support safe and efficient operations and to provide for future expansion to accommodate additional electrical loads.

125	Project W-460, Plutonium Stabilization & Handling (PUSH)`	Provides an automated plutonium stabilization & packaging system in the 2736-ZB facility to thermally stabilize plutonium-bearing materials and package this material into the new 50-year storage container consistent with Standard DOE-STD-3013-94. Detailed design, equipment procurement and installation of this PuSAP system will be complete by 06/01/00. Operational readiness of the Packaging system will be complete by 09/30/00 with operation starting in October 2000. Also, this LI upgrades four (4) 2736-ZB vaults to support storage of the new 50-year storage container, with at least one vault upgraded by 06/01/00.
126	Must Do - Disposition of Vacant General Purpose Facilities/Mortgage Reduction	Demolition of vacant general purpose facilities and 200 Area Water Automation.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
127	TWRS HLW Support Phase 1	This Unit Provides the following services/products essential to the success of the Phase 1 HLW Privatization effort: - Establish HLW feed specifications and feed staging plans. - Work with the vendors (through Integrated Product Teams) to study Vendor/PHMC interface issues and define Interface Control Documents - Test and evaluate methods of pretreating HLW sludges to minimize the volume of HLW to be vitrified. - Develop an integrated TWRS flowsheet (FY 99 and on) and feed delivery models - Integrate and maintain the HLW portion of the TWRS technical baseline - Define requirements for the Retrieval projects that will provide the capability to mobilize, retrieve, treat and deliver HLW. - Interface with DOE-RW to define and qualify a HLW form that will be acceptable for disposal at the geologic repository.
128	SITEWIDE HISTORIC BUILDINGS MITIGATION *(Funded portion)*	Funding for this UOA will provide a reduced cost approach to documenting Hanford buildings prior to decontamination and demolition.
129	Site Planning and Integration (SP&I)	The SP&I function ensures site-wide operational integration of technical scope, cost, and schedules; coordinates site-wide deployment of a uniform prioritization methodology (Integrated Priority List); provides managerial and technical oversight in the development of Hanford's PBS (Program Baseline Summary) and related products. Funding of this UOA also underwrites activities associated with the development of the Site's technical scope, cost, and schedule baseline and its related change control component. Other work scope contained in this UOA includes monthly reporting of performance (Progress Tracking System Report, Hanford Site Performance Report, PHMC performance report) against the approved baseline; performance and cost management activities to ensure cost estimating practices comply with DOE orders and industry standards. Moreover, SP&I is chartered with developing, tracking, analyzing, and reporting Site integrated performance measures; assisting RL in the preparation and implementation of the strategic planning process and associated documents (e.g., the Ten Year Plan, Hanford Strategic Plan, Mission Direction Document.) Planning Standardization and Support(PSS)functions are also funded via this UOA. PSS coordinates the management information systems that supports functions such as the Central Milestone module, WBS tables, Integrated Priority List, etc.
130	Site Systems Engineering	Integrated Site Technical Direction: Direct technical integration for the Hanford Site; Identify and track site level issues using the Site Integration Group and the Technical Issues Management List; continue super interface control, perform system engineering analysis; support project planning based on HSTB; maintain RDD-100 capability, including maintenance and administration; gather, organize, store, and report forecasting data to support project MYWP development, provide integrated wasted stream data tracked to intra-project level for development of technical and financial plans; Hanford Site/Project Cleanup Specification review and approval; maintain SEMP; implement SEMP.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
131	PNNL WMOC: Waste Operations & Management *(Funded Portion)*	Funding this UOA • provides management and disposal of PNNL's most hazardous wastes • provides management of PNNL's effluents.
132	324/327 Risk Reduction	In fiscal year 1997 references to the former operator will be changed within the safety basis and a reference manual will be developed for all procedures. Deficiencies within the procedures and safety basis analysis given the current mission will be identified and communicated to ensure that implementing work packages communicate the correct risk and directives. In fiscal year 1998 procedure revisions will be completed and safety analysis identified will be conducted and added to the safety basis.
133	100 HR GW Remedial Action	Treatment of 700M liters of groundwater
134	100 KR GW Remedial Action	Treatment of 600M liters of groundwater
135	100 NR GW Remedial Action	Treatment of 360M liters of groundwater
136	200 UP GW Remedial Action	Treatment of 150M liters of groundwater
137	200 PO GW Remedial Action	None in FY99.
138	N Reactor Deactivation	Deactivation of N Reactor; the reactor will be maintained in a safe storage mode until final disposition.
139	ER Disposal Facility	• Design and construction of additional waste disposal capacity. • Disposal of 2.6M cubic yards of waste
140	100 BC Source Remedial Action	• Clean up of over 600,00 yd^3 of waste and over 22,000 linear feet of process effluent pipelines from the B and C Reactors. • Remedial design for solid waste sites.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
141	TWRS IHLW - Storage	The IHLW Interim Storage will design and outfit storage facilities, receive, transport and store the IHLW product in a acceptable manner so it can be eventually shipped to a geologic repository. Waste receipts are currently planned to start in the year 2002 from the Phase 1 vendor and be completed in the year 2011. Receipt from Phase 2 vendor will continue through 2024 with additional facilities to be designed and constructed to receive the IHLW product. The IHLW product shipment to the geological repository is currently scheduled to start in the year 2034. The project is currently consistent with TPA milestones, provides for appropriate technical, safety, environmental and administrative controls along with D&D of the facilities.
142	100 DR Source Remedial Action	• Remediation in 38 waste sites and 650K cubic yards of waste. • Completion of a "No Action" closure plan for one RCRA TSD.
143	Hanford Tanks Initiative	The Hanford Tanks Initiative Project will demonstrate the capability to retrieve waste from an SST using available technology such that it is suitable for regulatory closure. Results from the retrieval demonstration will provide design criteria for the initial SST retrieval system. The Hanford Tanks Initiative Project will also demonstrate quantification and characterization of residual tank wastes necessary to establish tank closure criteria.
144	183-H Waste Disposal	Closure of a RCRA TSD in support of the TPA.
145	300 FF Source Remedial Action	Remediation in 86 waste sites and 775K cubic yards of waste
146	100 HR Source Remedial Action	• Remediation in 13 waste sites (for 3-year period only) and 200K cubic yards of waste. • Assessment of all remaining 100 Area waste sites.
147	GW MGT Well Decommissioning	
148	100 Area D&D Remedial Actions	Decommissioning of the 100 Area facilities will reduce risk to the workers, public, and the environment by removing the structures from the vicinity of the Columbia River. This will also meet the TPA commitment to decommission all ancillary facilities in the 100 Area by 2018.
149	100 Area F Reactor ISS	Completion of F Reactor ISS for the protection of workers, the public, and the environment.
150	100 Area D Reactor ISS	Completion of D Reactor ISS for the protection of workers, the public, and the environment.
151	100 Area DR Reactor ISS	Completion of DR Reactor ISS for the protection of workers, the public , and the environment. The project begins the commitment to disposition the reactors as stated in the EIS/ROD (1993).

FY99 Priority	"Unit of Analysis"	What Are We Buying?
152	100 Area H Reactor ISS	Initiation of H Reactor ISS for the protection of workers, the public , and the environment. The project begins the commitment to disposition the reactors as stated in the EIS/ROD (1993).
153	100 Area KE Reactor ISS	Initiation of KE Reactor ISS for the protection of workers, the public , and the environment. The project begins the commitment to disposition the reactors as stated in the EIS/ROD (1993).
154	100 FR Source Remedial Action	• Remediation in 19 waste sites and 500K cubic yards of waste. • Completion of remedial design for liquid waste sites in 100-FR, 100-KR, and 100-HR reactor areas.
155	100 NR Source Remedial Action	Remedial design and subsequent remediation of waste sites and 500 yd^3 of waste.
156	100 KR Source Remedial Action	Remediation in 12 waste sites and 200K cubic yards of waste
157	GW MGT Modeling and Composite Analysis	
158	200 BP Source Remedial Action	Complete Prototype Barrier Testing, perform limited characterization activities in 200-BP-11.
159	200 NPL Common Assessment/Remedial Action	Development of a 200 Area Strategy for streamlining assessment and remediation activities, initiate field characterization at additional waste sites, coordinate closure activities with other waste sites outside of ER.
160	Columbia River Comprehensive Impact Assessment	
161	200 PO Remedial Action - Assessment	Initiate work plan for 200 Area assessment, develop closure/post closure plans for 4 RCRA Temporary Storage and Disposal.
162	200 UP Remedial Action - Assessment	Finalize drafts of assessment documentation which recommend no further action in this OU. Remediation decision thus deferred to fiscal year 2003.
163	200 RO Remedial Action - Assessment	Initiate work plan for 200 Area Assessment, develop closure/post closure plans for 2 RCRA temporary storage and disposal

FY99 Priority	"Unit of Analysis"	What Are We Buying?
164	PNNL WMOC: Compliance Oversight & Support *(Funded Portion)*	Funding this UOA provides compliance with environmental and waste management regulations.
165	RMW Treatment/Disposal	Thermal treatment would include the preparation for treatment and disposal of 717 cubic meters per year of LLMW beginning in FY 2001. Direct disposal would include characterization and disposal of 581 cubic meters of 183-H Basin Waste in FY 1998. Macroencapsulation would treat and dispose of 764 cubic meters of LLMW (debris and lead). Small/unique waste would include characterization and shipment of LLMW to INEL for treatment/incineration. Macroencapsulation at Envirocare includes characterization and shipment of 10,000 containers of lead for treatment.
167	Miscellaneous Streams	Miscellaneous Streams include liquid effluents generated from hydrotest, maintenance, and construction activities; cooling water and condensate discharges; and storm water runoff. These discharges are considered non-hazardous and non-radioactive. Miscellaneous Streams may or may not discharge to an engineered disposal structure. Waste streams not included are those that already have discharge permits in place, streams for which permit applications have been submitted, or streams which are covered under a NPDES permit. The Washington State Department of Ecology Consent Order No. DE-91NM-177 identifies several requirements and milestones for Miscellaneous Streams. A plan for managing the Miscellaneous Streams and ensuring they will be in compliance with applicable state regulations is described in *Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams*, DOE/RL-93-94. Commitments established in the plan and schedule include registration of injection wells, submitting applications for categorical discharge permits, annual update of the Miscellaneous Streams inventory until FY 1999, and implementation of best management practices.
168	222-S Operations	222-S Facility Operations: 222-S Facility surveillance, custodian services and housekeeping activities to support full operations. CENRTC: Procurement of new, upgrade, or replacement analytical equipment and instrumentation to keep abreast of new technologies, improve productivity, and facility life extensions. Quality Systems: Provide Quality systems for the Analytical Services which encompasses laboratory assessments, laboratory performance evaluations, and Hanford Analytical Services Quality Assurance Requirements Document (HASQARD) implementation and assessments. Technology Development: Analytical method improvements to improve safety, quality, precision, and reliability of sample analysis, and provide significant savings.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
169	WRAP I Operations	Provides the operational activities to perform the NDE/NDE, LLW, and TRU process line operations. Single shift operations are capable of viewing and assaying the contents of 6825 waste drums/yr and 70 standard boxes/yr using x-ray Non-Destructive Examination (NDE) and Non-Destructive Assay (NDA). NDE/NDA and visual inspection/ repacking will be performed on Low Level Waste (LLW), Transuranic waste (TRU), and LLW/TRU Mixed Waste in four process gloveboxes. LLW is verified and sent to Burial Grounds for disposal. LLW/TRU Mixed Waste is segregated and send to storage or treatment. TRU waste is verified/ certified for shipment to the Waste Isolation Pilot Project (WIPP) for disposal.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
172	TWRS Privatization Program Management (WIT) Phase I	The Waste Disposal Integration Team provides direct and continuous support to the Waste Disposal Division in the accomplishment of the Division mission. The Waste Disposal Integration Team provides direct and continuous support to the Waste Disposal Division in the areas of program administration, funds management, communications and external relations, technical integration, strategic planning, development and maintenance of the technical and programmatic baselines, decision and risk management, program assessment, regulatory compliance, contract negotiations, and quality assurance. It also includes technology management and technical and financial analyses. Specific objectives include: • integration of WDD privatized and non-privatized activities • assist the WDD in the execution of the privatization contracts • manage interfaces with the PHMC and privatized contractors • assist the WDD in the management of interfaces with stakeholders and regulators • assist the WDD in the Part B authorization to proceed decision During FY98, the WIT will lead in the development of the recommendation for the authorization to proceed to Part B of TWRS privatization. This will include: 1) evaluating the numerous contractor deliverables due during the first four months of FY98 to determine the contractors ability to meet the technical, financial, and regulatory requirements of the contracts; 2) completing determining the reasonableness of the contractors' pricing estimates (including the financial, "Should Cost," economic, and risk allocation models); evaluating the waste processing alternatives to determine best value to the government; and preparing the documentation needed to support the authorization to proceed recommendation. The WIT will also assist the DOE in negotiating any modifications to the privatization contracts needed to implement the final decision during fourth quarter, FY98. During FY99, the WIT will provide increased support to the DOE in implementing the Part B contracts. This will include participation on integrated product/process teams, resolving interface issues among the Department, Project Hanford Management Contractor, and the private contractors, and interfacing with regulators. The WIT will assist the WDD with the definition of work and review of products from the PHMC for those activities associated with the Phase I and Phase II of privatization and will start establishing the technical and programmatic strategies and preparing the technical specifications for the Phase II contracts. The WIT will also maintain the interface with the PHMC for feed specifications and the planning and delivery of sample materials for the private vendor.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
174	NE Legacy Deactivation	FY 1997: Moved the 1720-DR sodium tank from 100-DR Area to the 300 Area and restored the former building location. Completed removal of the test loops and disassembly of building 335A. Contracted for sale of the bulk sodium from 3718-M and 1720-DR storage tanks. This 46,000 gallons of sodium will be transferred to the purchaser's rail cars by the end of the fiscal year. FY 1998: Disassemble the sodium piping system of the Containment Systems Test Facility from the 221-T Building; dispose of the piping system. Assuming no radiological contamination, ship the two sodium tanks with 215 gallons of sodium to the 300 Area. Begin disassembly of the High Temperature Sodium Facility (HTSF) controls and piping in the 337 Highbay. (This is a three-year process.) Drain the sodium-potassium (NaK) alloy liquid metal (110 gallons) from the HTSF cold trap cooling jacket and package it in U.S. Department of Transportation (DOT) approved shipping containers for transfer off-site. Inspect and evaluate the Composite Reactor Components Test Activity (CRCTA) vessel, which is a full scale, sodium containing, mockup of one third of the FFTF reactor vessel. Based on this evaluation, the disposition process for the CRCTA will be developed. Initiate contract for cleaning sodium residuals from the 3718-M and 1720-DR tanks. FY 1999: Continue disassembly of the HTSF controls and piping in the 337 Highbay. Drain the approximately 215 gallons of sodium from the two tanks removed from 221-T and package it in DOT approved shipping containers for transfer off-site. (The contract for sale of this sodium is in place.) Complete cleaning sodium residuals from the 3718-M, 1720-DR, and 221-T tanks.
175	Sodium Storage Facility	FY 1997: This funding provided completion of construction and turnover of the 400 Area Sodium Storage Facility. Included in this funding is reserve funds for outstanding claims. FY 1998: No Activity. FY 1999: No Activity.
176	Sodium Reaction Facility	FY 1997: Initial actions were taken towards preparing the FDC document. All work was stopped on October 22, 1996, per RL & FDH direction, before the document was prepared. FY 1998: No activity planned. FY 1999: An FDC document and a CDR will be prepared for the Sodium Reaction Facility (SRF), which will convert the FFTF, radioactive sodium to a suitable form for final disposition as either waste or feed stock for the TWRS process
180	TWRS Cs/Sr Capsules Disposition	The TWRS Cs/Sr Capsule Disposition Project will recommend to RL the preferred method for processing the capsules for their disposal as HLW in the geologic repository. Based on RL acceptance of the recommendation, a series of trade studies (and possibly an EM-50 funded process demonstration) will be performed prior to the issuance of the Phase II Request for Proposal. These studies and demonstrations are designed to provide DOE with sufficient technical definition to write the RFP and to provide potential vendors with the confidence needed to respond in a timely and cost effective manner.
181	Tank Farm Closure	Tank Farm Closure Project provides the management, planning, and systems definition including a regulatory required closure work plan, performance assessment, and required field testing for a tank farm operable unit closure demonstration in 2014, completion of SST closure in 2024, and completion of DST closure in 2034.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
183	TRU Retrieval Phase I Project; (W-113)	Provides Phase I retrieval of TRU waste from one underground trench for continuous processing within WRAP 1; in compliance with the Hanford EIS ROD to permit final closure of the Burial Grounds. Phase I retrieval will be a full scale retrieval project to retrieve roughly one third of the CH TRU waste containers stored since 1970 that are expected to be intact, approximately 10,000 drums/boxes. This project will provide a complete system to retrieve the suspect TRU containers that are covered with dirt, free from levels of contamination which would require special features for containment. Equipment will be provided to x-ray and assay the waste containers through non-destructive techniques for proper identification of the content to the extent necessary to meet site requirements at an onsite RCRA permitted facility
184	2706-T Operations	Provides decontamination and waste verification activities. Services include low-dose beta-gamma decontamination and waste verification in the 2706-T/TA facility. Supported customers include the Waste Management Program for waste verification and Site Services for heavy equipment and rolling stock decontamination. Training and certification for operators and those activities and materials/upgrades directly related to the decontamination/verification operations are also included. Other similar services are also provided to the entire Hanford site but are funded through customer accounts as they are requested. Upgrades related to providing decontamination services are also included. These include installing a pre-engineered cover over the contaminated equipment storage pad to be able to perform free-release surveys and erecting a modular facility to relocate the liquid based chemical decontamination operations out of the 221-T canyon.
185	Laboratory Facility Life Extenstions	This activity provides for the upgrades needed to give the 222-S analytical the capability and capacity to respond to programmatic mission demands for Analytical Services. The upgrades could be required to resolve safety, regulatory, and production issues.
186	TWRS Flam Gas Additional Monitoring Upgrades	SHMSs for 10 additional tanks in FY 1999, surface level and pressure gauges on 14 additional tanks in FY 1998, 3 radiation tolerant mobile color camera systems and flammable gas qualified light trees in FY 1998, in-tank cameras for 2 additional DSTs in FY 1998 and FY 1999, MITs in 4 additional tanks (3 DSTs and 1 SST) in FY 1998, additional DST flow meters in FY 1998/FY 1999, and NFPA ventilation upgrades (spark resistant fans, intrinsically safe heaters, inlet filters, flow controllers) for AP, AY and AZ tank farms.
187	Laboratory Consolidation	This transitioning activity includes the cleanout and shutdown of the decentralized laboratories. Activities may include 1) Transfer of Analytical equipment & procedures; 2) Personnel transfer; 3) Records retrieval and transfer; 4) Modifications at the receiving laboratory necessary to accept the workscope; 5) Disposal of excess stock chemicals and supplies; and 6) Initiation of disposal of archived samples and laboratory waste materials.
188	300 Area Shutdown	Completion of two RCRA closure activities in accordance with the following RCRA Plans: Waste Acid Treatment System (WATS) and 303K Facility. All or part of six FSS buildings contain these RCRA TSD units. Workscope includes cleanup and removal of all hazardous materials and equipment resulting from the previous fuel fabrication mission.
189	CWC/LLBG Operations	This activity provides for the stabilization of numerous trench areas within the 200 West Low Level Burial Grounds.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
190	309/PRTR Deactivation	FY 1997: The underground diesel fuel oil tank has been removed. The process and sanitary sewer connections have been capped. The Rupture Loop Annex will be cleaned out and stabilized. The following areas will be sampled and characterized: the fuel storage basin, the fuel examination cell, the reactor calandria and process tubes. Preparation of the turnover package will continue. FY 1998: The following areas will be cleaned out and stabilized: the fuel storage basin, the fuel examination cell, the reactor calandria and process tubes. The fuel transfer pit will be sampled and characterized. Preparation of the turnover package will continue. FY 1999: The following areas will be cleaned out and stabilized: the fuel transfer pit, the balance of the domed reactor building, the ventilation system exhaust stack and filter banks. Work will begin on the Transfer Waste tanks farm located north of the building. Preparation of the turnover package will continue.
191	340 Waste Handling Facility Shutdown	Activities will be identified and formalized in the deactivation plan or PMP. Affected parties are currently working to determine a realistic shutdown timetable. Some external factors impacting this effort are the modification of 325 and 204-AR in time to accommodate waste handling needs if 340 Facility closes on 9/98; a determination on the impact of completing programmatic and clean-out activities at 324 and 327 without the services of 340 Facility; and RL plans with respect to continued railroad services at Hanford. A final revision will be made to the 340 Facility deactivation plan if deactivation is postponed for many years; otherwise a project management plan (PMP) will be prepared with a detailed work breakdown structure, budget and schedule. Satisfactory "end points" must be negotiated with the receiving caretaker for the condition of areas, structures, and equipment at the time of facility transfer. Along with the aforementioned cancellation of facility upgrades, a run-to-fail policy will be implemented for non essential equipment/systems, and the inspection and clean-out of 340-A as part of the phased deactivation will proceed. Based upon ongoing negotiations with the regulators regarding the latter clean-out, it may be necessary to upgrade the primary off-gas filtration system. Preliminary activities associated with the necessary de-coupling of the Retention Process Sewer system from RLWS system (to provide continued process sewer capabilities for the 324, 325, 326, 327, and 329 laboratories) will also be initiated in FY97. A separate study is underway (HNF-SD-LEF-ES-002, "307 Basins Engineering Study and Functional Requirements") which is assessing details of this activity (e.g., specific piping/valving/control modification strategies, and provisions for standby waste treatment and/or load-out). These activities will reduce risk associated with site personnel, public and environmental exposure to contamination. A mortgage reduction will occur with the closure activity. Additionally, up-front actions may be taken on any improvements that could facilitate long-term surveillance and maintenance, such as weatherization, fire safety, lighting, ventilation, monitoring, security and any residual waste/contamination isolation/containment.
193	200 IU Remedial Action - Assessment	Initiate work plan for 200 Area assessment, finalize closure/post closure plan for 1 RCRA temporary storage and disposal.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
195	K Basin Deactivation	The purpose of this project is to begin deactivation of K Basin facilities in FY 2001, after the fuel and sludge have been removed. Deactivation of these facilities reduces risk to the public, environment and on-site workers by removing or stabilizing radiological and hazardous contamination and placing these facilities in a "caretaker" status until they can be demolished.
196	TRU Retrieval Phase II Project; (W-221)	TRU Retrieval Phase II (W-221) provides for the retrieval of remote handled (RH) TRU waste from twenty five underground trenches for continuous processing within WRAP 1. This is in compliance with the Hanford Environmental Impact Statement (EIS) Record Of Decision (ROD) to enable final closure of the respective burial grounds.
197	Caisson Retrieval Project (W-156)	The Caisson Retrieval Project (W-156) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons. This is in compliance with the Hanford Environmental Impact Statement (EIS) Record Of Decision (ROD) to enable the final closure of the respective burial grounds. A total of 5,485 one-gallon waste containers are stored in these caissons.
198	FMEF Deactivation	FY 1997: No Activity. FY 1998: No Activity. FY 1999: Develop plans for removal of all hazardous materials and for draining fluid systems. Commence removal of materials.
199	Remote Handled Waste Treatment	Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T Plant. Supported customers for decontamination services include the Tank Waste Characterization Program for decontamination of sampling equipment and other high does or alpha contaminated equipment and other site customers on an as-need basis. This includes training and certification for operators and those activities and materials/upgrades directly related to the decontamination operations. Spent nuclear fuel removal planning and engineering activities are included to remove the SNF stored in the T-Plant canyon. Canyon transition activities such as radiation area reduction, contaminated equipment removal, and upgrades are also included. Upgrades include fire system modifications to comply with NFPA requirements listed in the T-Plant Fire Hazards Analysis, and Heating Ventilation, and Air Conditioning system upgrades in the canyon to support future mission planning.
203	LLBG Closure Project (W-329)	This activity provides the strategy development, finalization of design, and ultimate installation of final closure covers for the burial grounds in the 200 East and West Areas. TRU retrieval activities must be performed prior to burial ground cover installation (TRU must be removed from the burial grounds for shipment to WIPP).

FY99 Priority	"Unit of Analysis"	What Are We Buying?
204	HSF/300 Area Revitalization	Project activities include deactivation, conversion and/or decontamination and decommissioning (D&D). Deactivation activities include: performing facility assessment and characterization activities; consolidating and removing inventory materials [Special Nuclear Materials, Nuclear Materials, Nuclear Fuel (SNM/NM/NF)]; developing NEPA and other regulatory documentation, deactivation plans and other project management documentation , long-term surveillance and maintenance (LTS&M) plans, deactivation endpoints and turnover packages; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate LTS&M and eventual D&D; "mothballing" of systems necessary for LTS&M and D&D; performing surveillance and maintenance (S&M) of the facility and maintaining safety and security envelops during deactivation; limited decontaminating and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; maintaining safety, security and regulatory compliance; and performing project management. Although deactivation activities can include inventoried material handling similar to stabilization, the intent is to remove these materials and perform the necessary deactivation activities to achieve the endpoint criteria required to turn over the facility. Conversion activities include those deactivation actions necessary to allow a facility to perform a new mission. D&D activities include: performing LTS&M and environmental monitoring; developing CERCLA, RCRA and other regulatory documentation, decommissioning plans and other project management documentation; performing remedial investigation and characterization activities; performing radioactive and hazardous waste treatment and disposition activities; performing decontamination of equipment, surfaces and structures; performing dismantling, segmenting and demolition of facilities and structures; performing final closeout of the project and necessary surveys and other verification activities; and performing project management.
205	Program Reserve	Program reserve set-aside
218	RL - Program Management and Support	Management and Oversight
220	Min Safe - 100 Area C Reactor ISS	Completion of C Reactor ISS
221	100 NR Source Remedial Action	Remedial design and subsequent remediation of waste sites and 500 yd^3 of waste.
223	Col River Comprehensive Impact Assess.	

FY99 Priority	"Unit of Analysis"	What Are We Buying?
227	Must Do - Disposition of Vacant General Purpose Facilities/Mortgage Reduction	Demolition of vacant general purpose facilities and 200 Area Water Automation.
228	Minimum Safe - Essential Site Infrastructure Maintenance	Maintenance and repair of core infrastructure systems, which includes utilities, services, and facilities throughout the Hanford Site. The activity includes the maintenance and replacement of the following systems: highways and roads; supply and distribution of water for domestic and fire protection purposes, primarily in the 200 and 100 Areas as other areas will be supplied by other agencies; sanitary waste water collection, treatment, and disposal (majority of these are septic systems north of the Wye Barricade); telephone and telecommunication networks (includes emergency and industrial signals, Hanford Local Area Network); the fire department equipment and facilities, and primary electrical distribution. This activity emphasizes routine maintenance of the infrastructure systems. Replacement of systems will be done only when cost effective and life cycle savings can be realized. This activity will include the preparation of system assessments, tasks definition and preliminary engineering, National Environmental Policy Act documentation, and the design, procurement, and installation of the system being maintained or replaced. The infrastructure si needed to support the overall mission of the Hanford Site which includes waste management, environmental cleanup, and paved main highways and roads.
235	RMW Treatment/Disposal	Thermal treatment would include the preparation for treatment and disposal of 717 cubic meters per year of LLMW beginning in FY 2001. Direct disposal would include characterization and disposal of 581 cubic meters of 183-H Basin Waste in FY 1998. Macroencapsulation would treat and dispose of 764 cubic meters of LLMW (debris and lead). Small/unique waste would include characterization and shipment of LLMW to INEL for treatment/incineration. Macroencapsulation at Envirocare includes characterization and shipment of 10,000 containers of lead for treatment.
236	WRAP 1 Operations	Provides the operational activities to perform the NDE/NDE, LLW, and TRU process line operations. Single shift operations are capable of viewing and assaying the contents of 6825 waste drums/yr and 70 standard boxes/yr using x-ray Non-Destructive Examination (NDE) and Non-Destructive Assay (NDA). NDE/NDA and visual inspection/ repacking will be performed on Low Level Waste (LLW), Transuranic waste (TRU), and LLW/TRU Mixed Waste in four process gloveboxes. LLW is verified and sent to Burial Grounds for disposal. LLW/TRU Mixed Waste is segregated and send to storage or treatment. TRU waste is verified/ certified for shipment to the Waste Isolation Pilot Project (WIPP) for disposal.
237	TRU Retrieval Phase I Project; (W-113)	Provides Phase I retrieval of TRU waste from one underground trench for continuous processing within WRAP 1; in compliance with the Hanford EIS ROD to permit final closure of the Burial Grounds. Phase I retrieval will be a full scale retrieval project to retrieve roughly one third of the CH TRU waste containers stored since 1970 that are expected to be intact, approximately 10,000 drums/boxes. This project will provide a complete system to retrieve the suspect TRU containers that are covered with dirt, free from levels of contamination which would require special features for containment. Equipment will be provided to x-ray and assay the waste containers through non-destructive techniques for proper identification of the content to the extent necessary to meet site requirements at an onsite RCRA permitted facility.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
238	TRU Retrieval Phase II Project; (W-221)	TRU Retrieval Phase II (W-221) provides for the retrieval of remote handled (RH) TRU waste from twenty five underground trenches for continuous processing within WRAP 1. This is in compliance with the Hanford Environmental Impact Statement (EIS) Record Of Decision (ROD) to enable final closure of the respective burial grounds.
239	Accelerated Deactivation Projects	Project activities include: performing facility assessment and characterization activities; removing inventory materials [Special Nuclear Materials, Nuclear Materials, Nuclear Fuel (SNM/NM/NF)]; developing NEPA and other regulatory documentation, deactivation plans, long term surveillance and maintenance (LTS&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate LTS&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for LTS&M and D&D; performing surveillance and maintenance (S&M) of the facility and maintaining safety and security envelops during deactivation; limited decontaminating and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; maintaining safety, security and regulatory compliance; and performing project management. Although deactivation activities can include inventoried material handling similar to stabilization, the intent is to remove these materials and perform the necessary deactivation activities to achieve the endpoint criteria required to turn over the facility. Facility deactivation reduces risk to the public, environment and on-site workers by removing or stabilizing radiological and hazardous contamination and placing these facilities in a "caretaker" status until they can be demolished.
242	HSF/300 Area Revitalization	The purpose of this project is to deactivate all 300 Area contaminated facilities not currently being deactivated or scheduled for deactivation in another ADS/PBS. This project also dispositions (D&D's) clean and contaminated facilities (not covered in another ADS/PBS) not expected to have future beneficial use, and modifies select clean and contaminated facilities to perform new missions.
244	Min Safe - GW Mgt CERCLA/RCRA Monitoring & Reporting	Site wide Groundwater and Environmental Monitoring
247	100 NR Source Remedial Action	Remedial design and subsequent remediation of waste sites and 500 yd^3 of waste.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
248	Remote Handled Waste Treatment	Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T Plant. Supported customers for decontamination services include the Tank Waste Characterization Program for decontamination of sampling equipment and other high does or alpha contaminated equipment and other site customers on an as-need basis. This includes training and certification for operators and those activities and materials/upgrades directly related to the decontamination operations. Spent nuclear fuel removal planning and engineering activities are included to remove the SNF stored in the T-Plant canyon. Canyon transition activities such as radiation area reduction, contaminated equipment removal, and upgrades are also included. Upgrades include fire system modifications to comply with NFPA requirements listed in the T-Plant Fire Hazards Analysis, and Heating Ventilation, and Air Conditioning system upgrades in the canyon to support future mission planning.
249	DST Waste Retrieval	The DST Waste Retrieval Project will provide management, planning, and systems definition for the initial DST retrieval system and privatization feed staging, and assume minimum safe operations of the DST tank farms beginning in FY 2006.

FY99 Priority	"Unit of Analysis"	What Are We Buying?

250	TWRS Tank Farm Restoration & Safe Ops. (W-314)- Acceleration to Support HLW Critical Path Schedule	Currently, Project W-314 is to complete the following specific activities:
		
		- Upgrade existing tank ventilation systems associated with facilities below:
		  - DST farms 241-AN, AP, AW, and SY (primary and annulus systems)
		  - DST farms 241-AY and AZ (annulus systems only)
		  - SST farm 241-SX
		  - Double-contained receiver tank (DCRT) 244-A
		
		- Refurbish or replace outdated/failed DST instrumentation and data acquisition/analysis systems as needed to improve safety and efficiency of operations. No new SST instrumentation is planned under this project; however, selected existing SST instruments may be connected to an automated data collection system.
		
		- Upgrade waste transfer systems to support DST waste storage operations and disposal activities. Upgrades are expected to include new pipe-in-pipe transfer lines as well as appropriate leak detection and cathodic protection capabilities.
		
		- Upgrade the tank farms electrical distribution system to support safe and efficient operations and to provide for future expansion to accommodate additional electrical loads.
		
		A one year acceleration of the W-314 schedule is required to reduce programmatic risk to an acceptable level. Accelerating W-314 to complete transfer system upgrades by May 2000 supports HLW sludge washing of tank 241-AZ-101. The project is on critical path for Phase 1 HLW feed delivery starting in June 2000. Acceleration of two transfer lines is necessary to mitigate risk of line failure. Failures have occurred in two lines and several jumpers on this transfer route. The remaining transfer lines being modified will provide for a 3 inch line transfer capability to prevent line plugging. A continuous 3 inch line will maintain flow velocity and prevent solids from settling. A flow velocity of approximately 50% occurs if 2 inch lines flow into 3 inch lines.
		
		The estimated costs and FTEs below represent the incremental increase to the values provided in R96N0247. In order to support the schedule acceleration of Project W-314 necessary to meet the critical path needs of the HLW feed, the sum total from BOTH Units of Analyses must be available. must be available.

251	Twrs Waste Characterization - Recover Tpa (Characterization) (Unfunded)	This work scope supports TWRS Characterization Project TPA schedule recovery. This includes sample planning, collection, analyses, and reporting in order to better understand waste contents.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
253	Twrs Characterization Crew Continuity and Standard Schedule Recovery (Unfunded)	This work scope supports TWRS Characterization Project crew continuity and standard schedule recovery. This includes sample planning, collection, analyses, and reporting in order to better understand waste contents.
256	TWRS ILAW Storage/Disposal	The ILAW Storage and Disposal effort will receive ILAW from private suppliers of treatment services under contract to the DOE and provide for interim storage, disposal, closure, and monitoring of accepted waste. This Unit of Analysis includes all activities to design, construct, permit, operate and monitor the storage and disposal facilities during this planning period. The TWRS ILAW Storage and Disposal Program intends to modify the grout vaults such that they can provide for immobilized LAW interim storage in a safe, environmentally sound, cost-effective manner. Truck and cask systems will be procured to transport the ILAW from the private vendor to the storage/disposal. Operations and monitoring of the storage/disposal facilities is included in this planning base. Future storage/disposal facilities will be initiated to accommodate the remaining Phase I immobilized LAW production through June 2007, or June 2011 if an optional Phase I production extension is invoked by the U.S. Department of Energy. Planning and engineering for Phase II TWRS privatization storage/disposal is included in this planning period.
257	Sitewide Historic Buildings Mitigation (Unfunded portion)	Funding for this UOA will provide a reduced cost approach to documenting Hanford buildings prior to decontamination and demolition.
258	TWRS LAW Support Phase	This Unit Provides the following services/products essential to the success of the Phase 2 LLW Privatization effort: - Testing, analyses and modeling to establish LLW feed specifications, tank space requirements,and feed retrieval and treatment scenarios for Phase 2 RFP preparation. - Trade studies to define Phase 2 requirements, identify and resolve potential Vendor/PHMC interface issues and define Interface Control Documents - Integrate and maintain the LLW portion of the TWRS technical baseline
259	TWRS HLW Support Phase II [Unfunded]	This Unit Provides the following services/products essential to the success of the Phase 2 HLW Privatization effort: - Testing, analyses, and modeling to establish HLW feed specifications, tank space requirements, and feed retrieval and treatment scenarios for Phase 2 RFP preparation. - Trade studies to define Phase 2 requirements, identify and resolve potential Vendor/PHMC interface issues and define Interface Control Documents - Test and evaluate methods of treating HLW sludges to minimize the volume of HLW to be vitrified to establish Phase 2 performance requirements. - Develop an integrated TWRS flowsheet (FY 99 and on) and feed delivery models - Integrate and maintain the HLW portion of the TWRS technical baseline - Interface with DOE-RW to define and qualify a HLW form that will be acceptable for disposal at the geologic repository.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
260	Tank Farm Closure (unfunded)	Tank Farm Closure Project provides the management, planning, and systems definition including a regulatory required closure work plan, performance assessment, and required field testing for a tank farm operable unit closure demonstration in 2014, completion of SST closure in 2024, and completion of DST closure in 2034. This schedule meets the current TPA commitments.
261	200 NPL Common Assessment/ Remedial Action	Development of a 200 Area Strategy for streamlining assessment and remediation activities, initiate field characterization at additional waste sites, coordinate closure activities with other waste sites outside of ER.
262	Caisson Retrieval Project (W-156)	The Caisson Retrieval Project (W-156) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons. This is in compliance with the Hanford Environmental Impact Statement (EIS) Record Of Decision (ROD) to enable the final closure of the respective burial grounds. A total of 5,485 one-gallon waste containers are stored in these caissons.
263	TWRS IHLW - Storage	The IHLW Interim Storage will design and outfit storage facilities, receive, transport and store the IHLW product in a acceptable manner so it can be eventually shipped to a geologic repository. Waste receipts are currently planned to start in the year 2002 from the Phase 1 vendor and be completed in the year 2011. Receipt from Phase 2 vendor will continue through 2024 with additional facilities to be designed and constructed to receive the IHLW product. The IHLW product shipment to the geological repository is currently scheduled to start in the year 2034. The project is currently consistent with TPA milestones, provides for appropriate technical, safety, environmental and administrative controls along with D&D of the facilities.
265	TWRS High-Level Waste Support (M-51) Phase I	This Unit Provides the following services/products essential to the success of the Phase 1 HLW Privatization effort: • Establish HLW feed specifications and feed staging plans. • Work with the vendors (through Integrated Product Teams) to study Vendor/PHMC interface issues and define Interface Control Documents • Test and evaluate methods of pretreating HLW sludges to minimize the volume of HLW to be vitrified. • Develop an integrated TWRS flowsheet (FY 99 and on) and feed delivery models • Integrate and maintain the HLW portion of the TWRS technical baseline • Define requirements for the Retrieval projects that will provide the capability to mobilize, retrieve, treat and deliver HLW. • Interface with DOE-RW to define and qualify a HLW form that will be acceptable for disposal at the geologic repository.
266	PNNL WMOC: COMPLIANCE OVERSIGHT & SUPPORT *(Unfunded Portion)*	Funding this UOA provides compliance with the new Environmental Radiological Protection law (10 CFR 834) and enhanced compliance with RCRA hazardous waste and Pollution Prevention requirements.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
268	HANFORD ENVIRONMENTAL MONITORING	This UOA will fund the detailed evaluation of contaminant distribution in the Columbia River.
270	TWRS Cs/Sr Capsules	The TWRS Cs/Sr Capsule Disposition Project will recommend to RL the preferred method for processing the capsules for their disposal as HLW in the geologic repository. Based on RL acceptance of the recommendation, a series of trade studies (and possibly an EM-50 funded process demonstration) will be performed prior to the issuance of the Phase II Request for Proposal. These studies and demonstrations are designed to provide DOE with sufficient technical definition to write the RFP and to provide potential vendors with the confidence needed to respond in a timely and cost effective manner.
270	TWRS Cs/Sr Capsules (Additional Requirements) (Unfunded)	The TWRS Cs/Sr Capsule Disposition Project will recommend to RL the preferred method for processing the capsules for their disposal as HLW in the geologic repository. Based on RL acceptance of the recommendation, a series of trade studies (and possibly an EM-50 funded process demonstration) will be performed prior to the issuance of the Phase II Request for Proposal. The additional studies are designed to reduce technical risk to DOE when it writes the RFP and to provide potential vendors with the confidence needed to respond in a timely and cost effective manner.
271	HANFORD ECOSYSTEM REG COMPLIANCE *(Unfunded Portion)*	Funding for this UOA will: • Provide for NEPA compliance in the 300 and 1100 Areas • Implement the Biological Resources Management Plan • Protect endangered species on the Hanford site.
272	Laboratory Facility Life Extensions	General facility upgrades are required to ensure laboratory facility compliance with regulations such as NFPA, NEC, OSHA, etc. Examples include replacement stacks, water backflow preventors, exhaust duct structure support, etc. In addition, room life extension upgrades to address safety and production issues in order to maintain the 46 year-old 222-S Laboratory's viability to the year 2025. Usually two to three room demolitions and reconstruction; and two designs for the following fiscal year rooms are performed each fiscal year.
274	DST Waste Retrieval	The DST Waste Retrieval Project will provide management, planning, and systems definition for the initial DST retrieval system and privatization feed staging, and assume minimum safe operations of the DST tank farms beginning in FY 2006.
275	NHPA 110 COMPLIANCE/WANAPUM TRIBE PARTICIPATION	Funding this Unit of Analysis provides for compliance with NHPA Section 110 and Wanapum Tribe participation at Hanford.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
276	HAMMER - Programs transferred to FDH operations from Tulane include; Integration of props into training, Level I-IV Evaluations, Continuous Improvement Process, Quality Assurance/Quality Control Program, Learning Resource Center, and Reciprocity	The funding will ensure that an QA/QC Program and evaluation process continues to function. The Tulane & Xavier developed programs that will be transferred to FDH to be integrated into HAMMER operations include: • Level 1,2,3 & 4 Evaluation Process • Third Party Evaluations of Classroom Presentations • Safety Support for the HAMMER facility • Reciprocity of Safety and Health Training among DOE and government • Regulatory review of training being conducted at HAMMER • Integrate HAMMER training with national Occupational and Health Programs • Support the integration of props and simulations into training curriculum • Learning Resource Center/Distance Learning • Education Programs
278	TWRS Pump & Dispose C-103 Organic Layer (Unfunded)	Removal systems include spargers, a skimmer, and a system to add chemical to the tank. Also included are support activities such as ventilation upgrades, a pump, and above ground transfer line. Completion of this work was initially a Secretarial Safety Initiative (SI-2u) due March 1995. Sampling of the liquid and an engineering study have been completed and the contractor has recommended against removal of the layer. The Washington State Department of Ecology continues to support completion of the work. Budget reductions have resulted in deferral of the work until FY 1998.
280	Site Planning and Integration (SP&I)	The SP&I function ensures site-wide operational integration of technical scope, cost, and schedules; coordinates site-wide deployment of a uniform prioritization methodology (Integrated Priority List); provides managerial and technical oversight in the development of Hanford's PBS (Program Baseline Summary) and related products. Funding of this UOA also underwrites activities associated with the development of the Site's technical scope, cost, and schedule baseline and its related change control component. Other work scope contained in this UOA includes monthly reporting of performance (Progress Tracking System Report, Hanford Site Performance Report, PHMC performance report) against the approved baseline; performance and cost management activities to ensure cost estimating practices comply with DOE orders and industry standards. Moreover, SP&I is chartered with developing, tracking, analyzing, and reporting Site integrated performance measures; assisting RL in the preparation and implementation of the strategic planning process and associated documents (e.g., the Ten Year Plan, Hanford Strategic Plan, Mission Direction Document.) Planning Standardization and Support(PSS)functions are also funded via this UOA. PSS coordinates the management information systems that supports functions such as the Central Milestone module, WBS tables, Integrated Priority List, etc.management information systems that supports functions such as the Central Milestone module, WBS tables, Integrated Priority List, etc.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
281	WASTE OPERATIONS & MANAGEMENT *(Unfunded Portion)*	Funding this UOA: • provides management and disposal of PNNL's legacy waste mortgage • provides management of PNNL's liquid effluents • conducts special projects needed to resolve certain waste management issues.
282	222-S Operations	222-S Facility Operations: 222-S Facility surveillance, custodian services and housekeeping activities to support full operations. CENRTC: Procurement of new, upgrade, or replacement analytical equipment and instrumentation to keep abreast of new technologies, improve productivity, and facility life extensions. Quality Systems: Provide Quality systems for the Analytical Services which encompasses laboratory assessments, laboratory performance evaluations, and Hanford Analytical Services Quality Assurance Requirements Document (HASQARD) implementation and assessments. Technology Development: Analytical method improvements to improve safety, quality, precision, and reliability of sample analysis, and provide significant savings.
285	Laboratory Consolidation	This transitioning activity includes the cleanout and shutdown of the decentralized laboratories. Activities may include 1) Transfer of Analytical equipment & procedures; 2) Personnel transfer; 3) Records retrieval and transfer; 4) Modifications at the receiving laboratory necessary to accept the workscope; 5) Disposal of excess stock chemicals and supplies; and 6) Initiation of disposal of archived samples and laboratory waste materials.
287	Unfunded - Essential Site Infrastructure Maintenance	Maintenance and repair of core infrastructure systems, which includes utilities, services, and facilities throughout the Hanford Site. The activity includes the maintenance and replacement of the following systems: highways and roads; supply and distribution of water for domestic and fire protection purposes, primarily in the 200 and 100 Areas as other areas will be supplied by other agencies; sanitary waste water collection, treatment, and disposal (majority of these are septic systems north of the Wye Barricade); telephone and telecommunication networks (includes emergency and industrial signals, Hanford Local Area Network); the fire department equipment and facilities, and primary electrical distribution. This activity emphasizes routine maintenance of the infrastructure systems. Replacement of systems will be done only when cost effective and life cycle savings can be realized. This activity will include the preparation of system assessments, tasks definition and preliminary engineering, National Environmental Policy Act documentation, and the design, procurement, and installation of the system being maintained or replaced. The infrastructure si needed to support the overall mission of the Hanford Site which includes waste management, environmental cleanup, and paved main highways and roads.

FY99 Priority	"Unit of Analysis"	What Are We Buying?
288	Unfunded - Disposition of Vacant General Purpose Facilities/Mortgage Reduction	Demolition of vacant general purpose facilities and 200 Area Water Automation.
292	TRU Retrieval Phase II Project; (W-221)	Provides Phase II retrieval of RH TRU waste from twenty five underground trenches for continuous processing within WRAP 1; in compliance with the Hanford EIS ROD to permit final closure of the Burial Grounds. Much of the retrieval equipment used in Phase II will be provided from the Phase I Retrieval project. Phase II Retrieval will address the twenty five remaining trenches in which failed containers are expected to be encountered. The facility for retrieval of the Phase II containers, approximately 20,000 drums/boxes, will require RH capability for recovering and repackaging waste from degraded containers and packaging of contaminated dirt. The facility will also be required to provide contamination confinement during all of the retrieval operations.

Status of RL's FY 1999 Budget Development

Lloyd Piper
Deputy Manager
DOE-RL

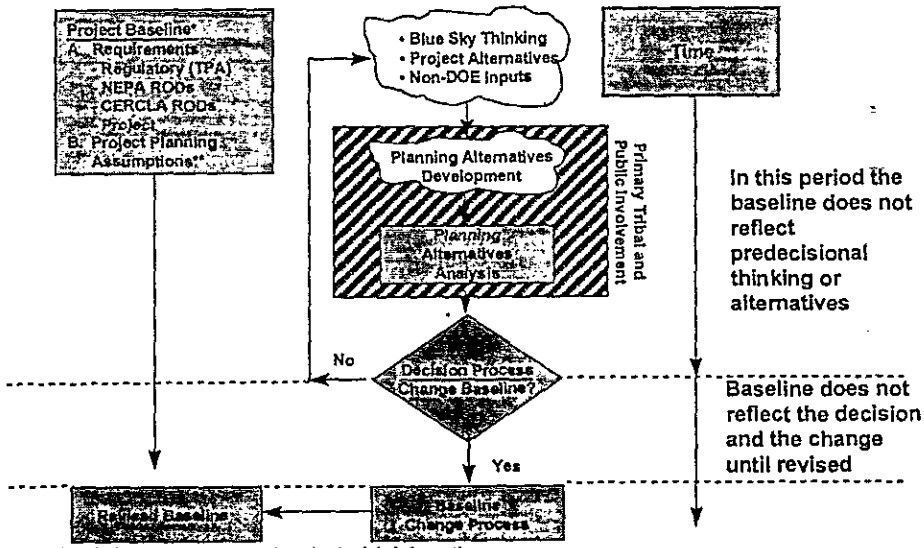
Planning--Budgeting--Execution

...a dynamic, kaleidoscopic set of continuous and overlapping processes

- ✓ Execution Year (97), Planning Year (98), and Budget Year (99) Interact Continuously
- ✓ FY 98 Budget Decisions Not Final Until September 1997
- ✓ Budget Process and Building Blocks Have Evolved
  - ✓ ADS Project Baseline Summary (PBS)
  - ✓ RDS Part of each PBS
  - ✓ Ten Year Plan--Extraction From PBS and Budget Process
  - ✓ Integrated Priority List (IPL)

Early and Effective Public, Regulator, Tribal and Stakeholder Involvement is Essential!

Baseline Management and Planning Activities

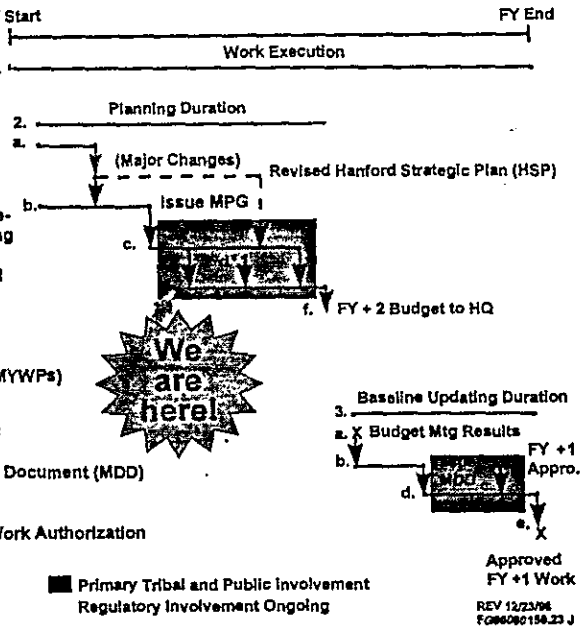


* Includes performance, cost, and schedule information
**Planning assumptions include those activities, expectations, schedules, and costs that contribute to life cycle estimates and preliminary engineering used as bases for decision making

REV 11/01/96

Typical Fiscal Year (FY) Calendar

1. *FY Work Execution to Approved Baseline Work Plans(MYWPs and AWPs) Implementing the Site EM Specification*
2. *Annual Planning Process*
   a. Review HSP for Changes
      * No/Minor Changes
      * Major Changes (seldom)
   b. Mission Planning Guidance for Life-Cycle, Long-Range Budget Planning
   c. Planning & Analysis
   d. FY+1 President's Budget Submittal
   e. IPL/Budget Preparation
   f. FY+2 Budget to HQ
      - Project Baseline Summaries
      - Integrated Priority List (IPL)
      - FY Baseline Update As Needed (MYWPs)
      - 2006 Plan Update
3. *Annual Baseline Updating Process*
   a. FY+2 HQ Budget Meeting Results
   b. Develop & Issue Mission Direction Document (MDD)
   c. FY+1 Appropriation Known
   d. Revised Baseline Preparation
   e. Approved Work Plans with FY+1 Work Authorization
      - Baseline Update
      - 2006 Plan Update



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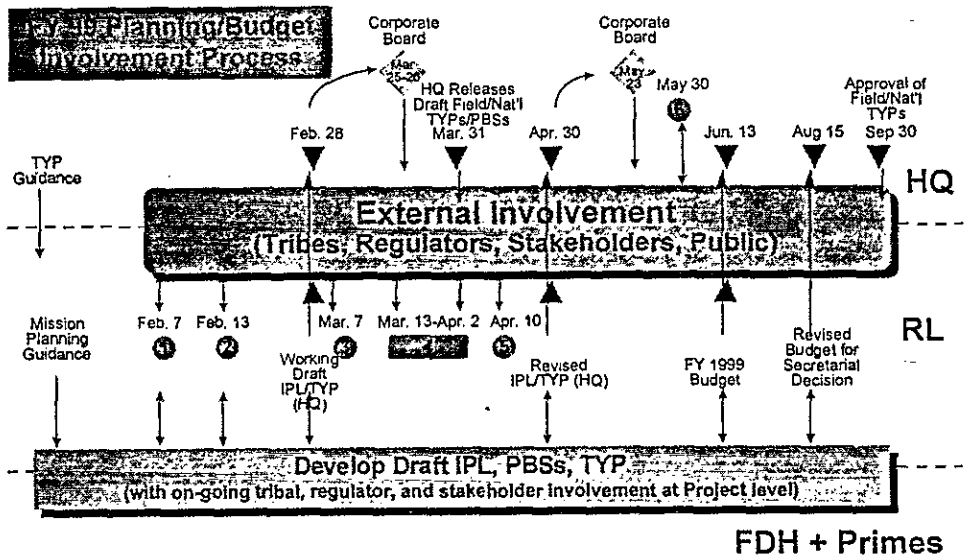

Key External Interactions

1. Feb. 7: IPL Orientation
2. Feb. 13: Detailed IPL Discussions
3. Mar. 7: Conf. Call Update
4. Public Meetings: 3/13 Tri-Cities; 3/18 Spokane; 3/19 Portland; 4/2 Seattle
5. Apr. 10: Comments due from Tribes, Regulators, Stakeholders for 4/30 Submittal
6. May 30: National Tele-Video Conference

FY 99 Planning / Budget Schedule

2/28	**Working Draft Integrated Priority List (IPL) for FY 99 Released**
Public Meetings	**3/13 Richland, 3/18 Spokane, 3/19 Portland, 4/2 Seattle**
3/31	**HQ Releases Draft National Ten Year Plan (TYP), Site Draft TYPs**
4/10	**Comments Due to DOE-RL for 4/30 Draft Submittal to HQ**
4/30	**DOE-RL Draft TYP and IPL Due to HQ, Released for Added Comment**
5/30	**National Tele-Video Conference**
6/13	**DOE-RL FY 99 Budget Submittal Due to HQ**
9/30	**DOE-HQ Approves National TYP and Site TYPs**

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Open Process or Closed Process

- ✓ Early Working Material is Usually Ugly and Can Be Contradictory
- ✓ Big Picture Values and Priorities May Not Be Fully Incorporated
- ✓ Individuals Have Personal Perspectives and Priorities
- ✓ NPP: Not For Political Purposes
  (Not Final Decisions)

Making Sausage is Not Pretty

Integrated Priority List (IPL)

- ✓ Used by RL Management to Organize Workscope for Planning Decisions
- ✓ Places More Than 300 Individual Work Units (Unit of Analysis) in Priority Order
  - ✓ Units Provide Detail on Building Blocks for Hanford's 45 Projects
  - ✓ Each Project Has a Baseline Summary
- ✓ Shows the "Cut-line" For the "High" and "Low" Funding Scenarios and Compliance Funding Requirements
- ✓ Covers FY 97 - FY 99

Other Discussion Topics

- ✓ What Should You Focus on That Would Be Most Valuable to Us?
  - ✓ General Prioritization Approach
  - ✓ Program/Project Priority Lists
  - ✓ IPL Low Funding Scenario (OMB Planning Assumption)
  - ✓ Items That are Near the Margin (Both Scenarios)
  - ✓ Items on the IPL That Can Be Deferred or Eliminated

Other Discussion Topics

- ✓ What Kinds of Input Will We Get From HQ?
  - ✓ National Ten Year Plan
  - ✓ Additional FY 99 Budget Guidance
  - ✓ EM-Wide Integration and Opportunities; "Blue-Sky" Alternatives
  - ✓ National Dialogue as it Occurs

Work in Progress - Time for Dialogue

- ✓ March -- First Draft of FY 99 IPL
  - ✓ Opportunities To Reduce Baseline Costs
  - ✓ Vulnerabilities For Increased Costs
  - ✓ Tribal, Regulator, HAB, Stakeholder Input
- ✓ June 13 -- Hanford FY 99 Budget Submittal Due to HQ
- ✓ September -- DOE FY 99 Budget to Office of Management & Budget
- ✓ September 30 -- Ten Year Plan Approved

Integrated Priority List - Vulnerabilities and Opportunities

- ✓ Vulnerabilities: Items in our proposed budget where assumed scope and/or cost could be substantially higher than our baseline planning assumptions. For example, TWRS vadose zone characterization, Year 2000 computer conversion, Spent fuel sludge disposition
- ✓ Opportunities: Items in our proposed budget where assumed scope and/or cost could be substantially less than our baseline planning assumptions, or where work could logically be deferred. Would include achievement of stretch goals and breakthroughs.
  - ✓ PFP Construction Project (Plutonium Processing and Vaults) Deferral or Cancellation
  - ✓ Overhead/Indirect/Management Cost Reductions
  - ✓ Early Deactivation or Completion of "X"
  - ✓ Canyon Waste Disposal and Entombment

Vulnerabilities

- ✓ Areas Where Estimates in IPL may not be Adequate
  - ✓ Vadose Zone Characterization
  - ✓ Year 2000 / Legacy Software Computer Modifications
  - ✓ PFP Construction Project (Plutonium Processing and Vaults)
  - ✓ K-Basin Sludge Treatment and Disposal
  - ✓ TWRS Safety Authorization (FSAR) Implementation
  - ✓ TWRS Waste Characterization
  - ✓ Achieving Indirect Reduction Targets

Opportunities

- ✓ Areas Where Estimates in IPL may be Reduced or Work Deferred
  - ✓ "Min-Safe" Costs
  - ✓ Groundwater Management
  - ✓ Document Declassification
  - ✓ TWRS As-Built Drawings
  - ✓ Hanford Resource Protection Regulatory Compliance
  - ✓ TWRS 200 West Single-Shell Tanks - Controlled, Clean, and Stable Deferral
  - ✓ TWRS Privatization Program Management
  - ✓ Disposition of Vacant General Purpose Buildings Deferral

Opportunities (Cont.)

- ✓ Canyon Entombment / Waste Disposal
- ✓ Estimate Critical Analysis Results - TWRS, Waste Management
- ✓ Low Level Mixed Waste Treatment / Disposal
- ✓ Laboratory Waste Operations and Management
- ✓ Remote Handled Waste Treatment
- ✓ 300 Area Deactivation / Shutdown Deferral
- ✓ PFP Construction Project (Plutonium Processing, Vaults) Deferral or Major Scope Reduction
- ✓ Project / Program Management - All Areas
- ✓ Reengineering
- ✓ Technology Development
- ✓ Charges to Off-Site Generators

FY 99 Budget Breakout Session
Environmental Restoration

Linda Bauer
DOE-RL Assistant Manager for
Environmental Restoration

March, 1997

ER Project Mission and Scope

- ✓ ER Mission - Cleanup of the Hanford Site
- ✓ ER Scope
  - ✓ Remediation of Over 1400 Waste Sites Reducing the Environmental Risk to Columbia River and Hanford Site
  - ✓ Surveillance & Maintenance and Decontamination & Decommissioning of Over 450 Aging Facilities Reducing Risk to Hanford Workers
  - ✓ Groundwater Remedial Actions to Prevent Spread of Contamination and to Protect the Columbia River
  - ✓ Disposal of Over 4 Million Cubic Yards of Remediation Waste
  - ✓ Interim Safe Storage and Final Disposition of 8 Reactors

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Program Assumptions

- ✓ 100-Area Soil Cleanup Standard Will Be Residential As Defined In the First ROD for the 100 Area
- ✓ 300 Area Soil Cleanup Standard Will Be Industrial As Defined In the First ROD For the 300 Area
- ✓ The Estimate For the 200 Area Remediation Is Based On Placing Caps/Barriers Over the Waste Sites.

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Program Assumptions

- ✓ Remediation Along the Columbia River Is Of The Highest Priority
- ✓ Material Removed During Remediation will be Disposed Of In the ER Disposal Facility.
- ✓ 100-Area Reactors Will be Placed in Interim Safe Storage
- ✓ Groundwater Remediations are Interim Actions.
- ✓ Final Groundwater Remedial Actions will be determined through the RCRA/CERCLA Process.

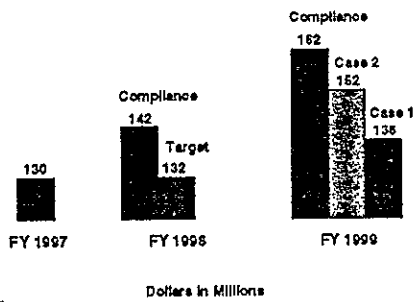
Program Priorities

- ✓ Minimum Safe Operations
  - ✓ Surveillance and Maintenance
  - ✓ Groundwater/Environmental Monitoring
- ✓ Mitigate Urgent Risks
  - ✓ D&D 233-S
  - ✓ Groundwater Remediation
- ✓ Compliance
  - ✓ 100 Area Remediation
  - ✓ 300 Area Remediation
  - ✓ 100 Area D&D (Includes ISS)
  - ✓ 200 Area Remediation
  - ✓ 200 Area D&D

Baseline Validation

- ✓ Richland ER Project FY 1996 Baseline Validation, May, 1996
  - ✓ "ERC Estimating Methodology allowed evaluation and understanding of the cost basis to a level not seen on other DOE projects" - Team Associates
- ✓ DOE Performs Independent Estimates
  - ✓ Incentive Share Projects
  - ✓ Procurements

ER Project Funding



FY 97/98/99 Planned Accomplishments

Project and Workscope	FY 97	FY 98	FY 99
100 Area Remedial Actions (Waste Sites Complete)	4	17	27
300 Area Remedial Actions (Waste Sites Complete)	0	4	2
ERDF (Cubic Yards Disposed)	282,000	280,000	206,000
Groundwater (M Liters Treated)	792	1,218	1,218
D&D (Facilities Complete)	0	1	1
(Reactor ISS Complete)		1	

Technology Implementation

- ✓ Emerging Characterization Technology for Burial Ground Waste Sorting and Segregation
- ✓ Innovative D&D Technologies for Reactor Interim Safe Storage and Facility D&D
- ✓ Emerging Technologies for Canyon Facility Characterization
- ✓ In Situ Redox Manipulation for Groundwater Remediation

Potential Impacts (High Case)

- ✓ Three year Delay in Start of 200 Area Assessment Resulting in Missing 9 TPA Milestones
- ✓ Potential Delay in Completion of 300-FF-1 Remediation Resulting in Missing 1 TPA Milestone
- ✓ One Year Delay in Remedial Design For 100-N Area Resulting in Delay in Implementation of an Expected Record of Decision
- ✓ One Year Delay in F-Reactor Interim Safe Storage (ISS)

Potential Impacts (Low Case)

- ✓ One Year Delay in Completion of 300-FF-1 Remediation Resulting in Missing 1 TPA Milestone
- ✓ Six Year Delay in Start of 200 Area Remedial Actions Resulting in Delay in Implementation of Expected Records of Decision
- ✓ Two Year Delay in F-Reactor ISS and Two Year Delay in DR Reactor ISS
- ✓ Two Year Delay in Remedial Actions for 100-N Area Resulting in Delay in Implementation of the Expected Record of Decision
- ✓ CRCIA Unfunded

ER Project FY 2006

- ✓ 100 Area - 300 Wastes Sites Complete
- ✓ 300 Area - 90 Waste Sites Complete
- ✓ 200 Area - 20 Waste Sites Complete
- ✓ 2.6 Million Cubic Yards of Waste Disposed at ERDF
- ✓ 4 Reactors in Interim Safe Storage
- ✓ 31 Facilities Demolished
- ✓ Groundwater Interim Actions Complete

Hanford Cleanup: Getting On With It

John D. Wagoner
Manager
DOE-RL

Agenda

Hanford's Budget Picture

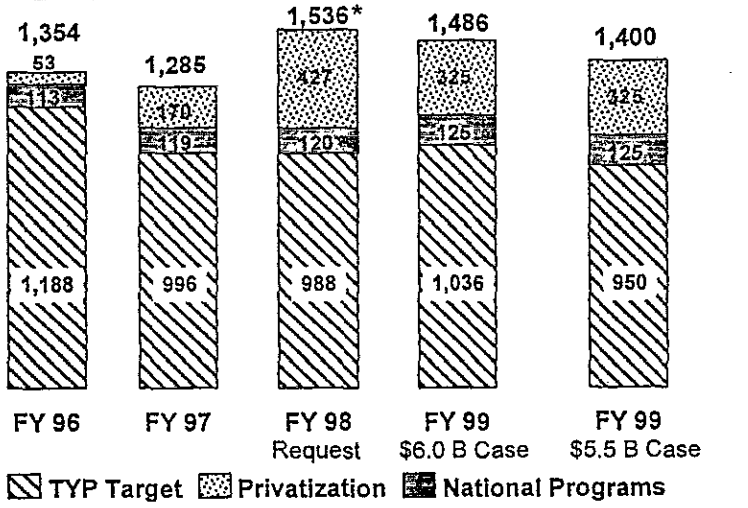
What We'll Do in FY 99

Financial Credibility

Top Issues for
Stakeholder Consideration

Hanford Cleanup Funding

(Dollars in Millions)



3/17/97 *Excludes "Future Construction Funding" of $202M

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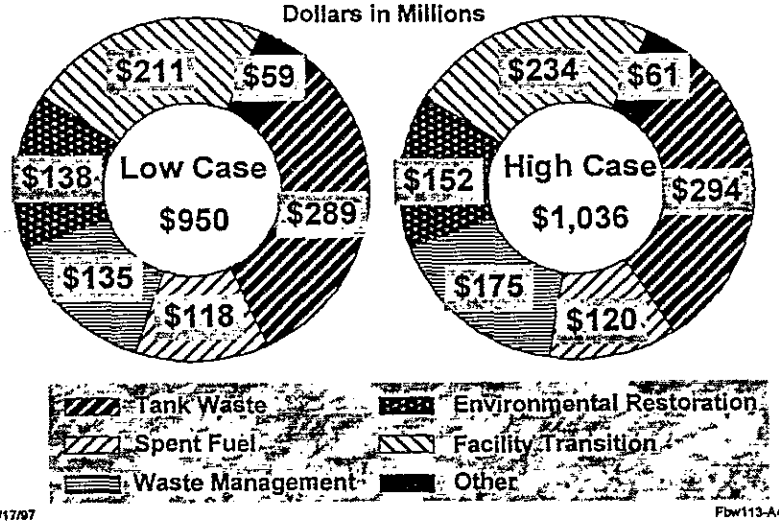
Hanford Cleanup Funding

Dollars in Millions



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Site Priorities 95-99

- ✓ Urgent Risks
  - ✓ Tanks
  - ✓ Spent Fuel
  - ✓ Plutonium
- ✓ Costly Mortgages
- ✓ Treatment and Disposal of Waste
- ✓ Environmental Restoration

What We Have Heard From HAB

- ✓ Protect the Health and Safety of the Affected Communities and Workers
- ✓ Protect the Columbia River and Environment
- ✓ Prepare the Site for Future Productive Uses
- ✓ Foster Economic Prosperity Through Scientific Research and Development of Cleanup Technologies

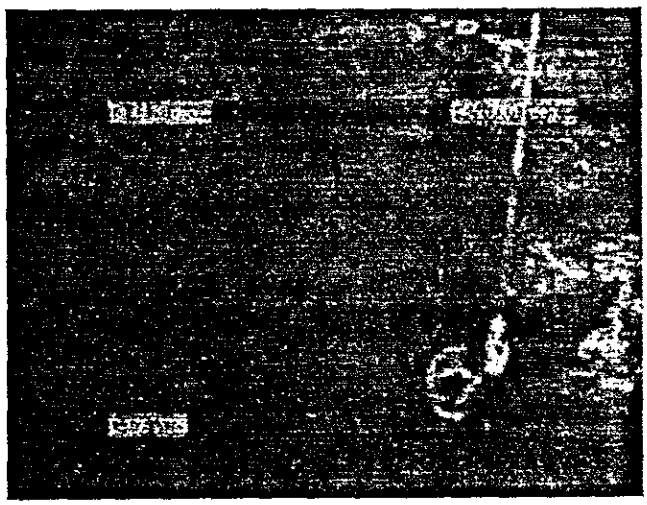
Get On With It!

Tank Waste Remediation System

97/98 Planned Actions:

- ✓124 Single Shell Tanks Stabilized (83%)
- ✓5 of 12 Single Shell Tank Farms Interim Stabilized (41%)
- ✓133 of 177 Tanks Characterized (75%)
- ✓New Cross-Site Transfer Line Operational
- ✓Privatization Contractors Authorized to Begin Construction
- ✓Remove Waste From High-Heat Tank 106-C

High Heat Tank 106-C



Tank Waste Remediation System

1999:

- ✓132 Single Shell Tanks Stabilized (88%)
- ✓6 of 12 Single Shell Tank Farms Interim Stabilized (50%)
- ✓158 of 177 Tanks Characterized (89%)
- ✓Infrastructure Upgrades to Support Privatized Vitrification Plants
- ✓Low-Activity Waste, High-Level Waste Interim Storage Facilities in Design

Tank Characterization

TWRS Vision 2006:

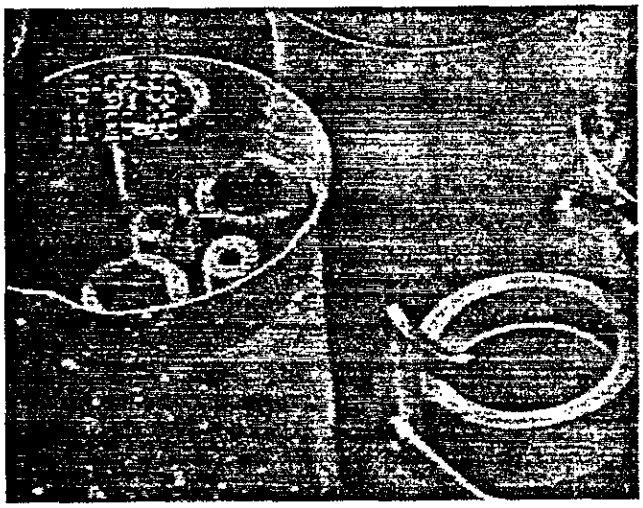
- ✓ All Tank Safety Issues Resolved (2001)
- ✓ All Single-Shell Tank Farms Interim Stabilized (2001)
- ✓ Waste Removal Initiated on 10 Single-Shell Tanks (2006)
- ✓ All Tanks Characterized
- ✓ Approximately 6 Million Gallons of Tank Waste Treated by Privatized Contractors (2006)
- ✓ Immobilized Low-Activity Waste Disposal Facilities Operational; Immobilized High-Level Waste in Interim Storage

Spent Nuclear Fuel

97/98 Planned Actions:

- ✓ Canister Storage Building Complete
- ✓ Spent Fuel and Basin Sludge Characterization Underway
- ✓ Removal of Spent Fuel from K Basins Begins
- ✓ Cold Vacuum Drying of Spent Nuclear Fuel Starts
- ✓ Canister Storage Building Receives Spent Fuel

Spent Nuclear Fuel



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Spent Nuclear Fuel

1999:

- ✓Continue Removal of Spent Fuel from K Basins (Complete in FY 00)
- ✓Begin Hot Conditioning of Dry Spent Fuel

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Spent Fuel Vision 2006:

- ✓ K Basin Fuel Removed (2000)
- ✓ Spent Fuel in Dry Storage (2001)
- ✓ K Basin Sludge Removed (2001)
- ✓ All Hanford SNF in Interim Dry Storage (2003)

Plutonium

97/98 Planned Actions:

- ✓ Vertical Calciner Installed for Plutonium Liquids Stabilization
- ✓ Stabilize all High-Risk Plutonium Solutions (Approx. 4,200 Liters)
- ✓ Remove 410 ft. of Plutonium-Contaminated Ductwork
- ✓ Complete Cementation of 4,700 kg. of Plutonium Residues

Plutonium

1999:

✓ PFP - Complete Cementation

✓ Start PFP Deactivation

Plutonium Vision 2006:

✓ Plutonium Finishing Plant Stabilization and Deactivation Complete (2006)

✓ *Stretch Goal: 2005*

Breakthrough: Evaluate Possibility of $30-40M in Plutonium Storage Cost Savings by 2006

Facility Transition

97/98 Planned Actions:

✓ PUREX Done

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Facility Transition

97/98 Planned Actions:

- ✓ PUREX Done
- ✓ B-Plant Done and Isolated from the Waste Encapsulation Storage Facility (WESF)
- ✓ Contaminated Equipment and 86% of the "High Activity" Contaminants Removed from 324 B-Cell (1.2M Curies)
- ✓ 34 "German Logs" Removed from 324 Hot Cell
- ✓ 300 Legacy Waste Storage Containers Removed from 327 Hot Cells
- ✓ 324/327 Capsules Returned to WESF; Fuel Pins/Pieces Removed

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Fast Flux Test Facility

Budget Chronology

Fiscal Year	Responsible Organization (Dollars in Millions) EM	NE	Budget Action
1990	0	80	NE Request to Congress
1991	84	84	NE Request / Congress Moved to EM
1992	79	0	EM Request to Congress
1997	43		Surveillance and Maintenance (S&M) Transfer: FY 97 Reprogramming being Proposed (NE to Fund Analyses for Potential Future Missions)
1998	37		FY 98 Budget Amendment being Proposed (NE to Fund Analyses for Potential Future Missions)
1999	0	55	S&M to be Included in NE Request

Facility Transition

1999:

- ✓300 Area Fuel Complex - Phase II Complete
- ✓Initiate K-Basin Deactivation Plan
- ✓Initiate 300 Area Revitalization

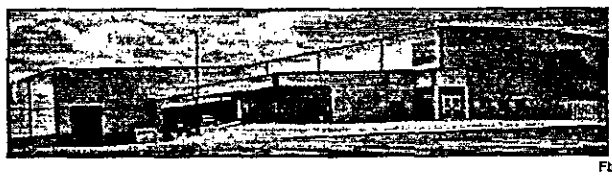
Facility Transition
Vision 2006:

- ✓ Deactivated and Turned Over to ER:
  - ✓ PUREX (1997)
  - ✓ B Plant (1998)
  - ✓ 324 and 327 (2002)
    - ✓ *Breakthrough: 2000*
  - ✓ K Basin (2005)
  - ✓ 309 Building (2000)
  - ✓ Accelerated Deactivation of 18 Small Facilities
- ✓ NE Legacy Sodium Disposition Complete (2000)
- ✓ ~ 34 Vacant Landlord Facilities Demolished

Waste Management

97/98 Planned Actions:

- ✓ Operate WRAP I Waste Characterization Facility
- ✓ Dispose of Liquid Waste from N-Basins, Tank Farms and Groundwater Pump-and-Treat in 200 Area Effluent Treatment Facility
- ✓ Characterize Mixed Waste for Treatment and Disposal



Waste Management

1999:

- ✓ Shut down 340 Liquid Treatment Plant
- ✓ Operate WRAP I at Reduced Capacity
- ✓ Increase Radioactive Mixed Waste Treatment
- ✓ Continue Hanford Laboratory Consolidation Effort
- ✓ Continue 222-S Facility Life Extension

Waste Management Vision 2006:

- ✓ 10% of TRU Waste Shipped to WIPP (2006)
- ✓ 5% of Mixed Waste Treated and Disposed (2006)
  - ✓ *Breakthrough: 25% Treated and Disposed*
- ✓ Spent Nuclear Fuel Removed from T Plant Canyon (2001)
- ✓ Operations in T Plant at Hot Standby (1999)

Environmental Restoration

97/98 Planned Actions:

- ✓N-Area Deactivation Complete
- ✓C-Reactor Safe Interim Storage Project Complete; F Reactor Project Starts
- ✓Decontaminate and Decommission (D&D) 7 Facilities
- ✓Dispose of 562,000 Cubic Yards of Contaminated Soil in the Environmental Restoration Disposal Facility (ERDF)
- ✓Pump and Treat 2 Billion Liters of Groundwater

Environmental Restoration

1999:

- ✓Clean Up 27 100-Area Waste Sites
- ✓Clean Up 2 300-Area Waste Sites
- ✓Dispose of 206,000 Cubic Yards of Soil in ERDF
- ✓Pump and Treat 1.2 Billion Liters of Groundwater
- ✓D&D 1 Facility

Environmental Restoration
Vision 2006:

- ✓ 4 of 9 Reactors in Interim Safe Storage
  - ✓ *Breakthrough: 8 of 9 Reactors in Safe Storage*
- ✓ 31 Facilities Decontaminated and Decommissioned
- ✓ 2.6 Million Cubic Yards of Soil Disposed of in ERDF
  - ✓ *Breakthrough: 4.0 Million Cubic Yards*
- ✓ 410 Waste Sites Complete (100-200-300 Areas)
  - ✓ *Breakthrough: 560 Waste Sites*

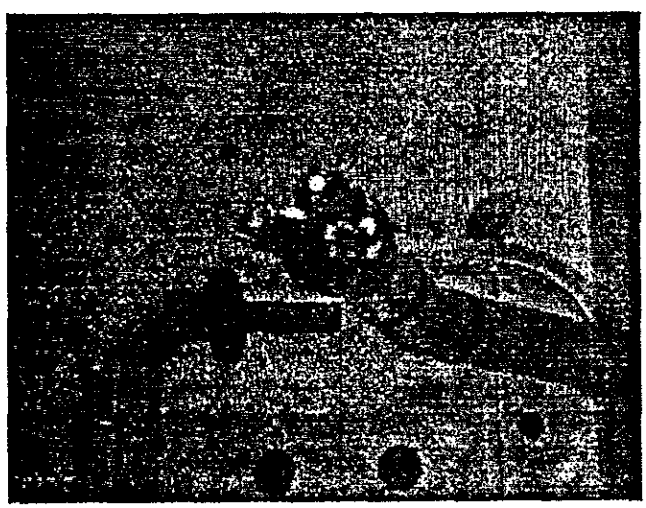
Technology Development

- ✓ Environmental Molecular Sciences Laboratory (1997)
- ✓ Advanced Process Engineering Laboratory (1998)
- ✓ The Deployment Center (1997)
- ✓ C-Reactor Safe Storage/Large Scale Demo
  - ✓ 12 Technology Demonstrations in Characterization, Demolition, Decontamination, Health and Safety (1997)
  - ✓ 6 Technology Demonstrations in Demolition, Decontamination and Waste Minimization (1998)

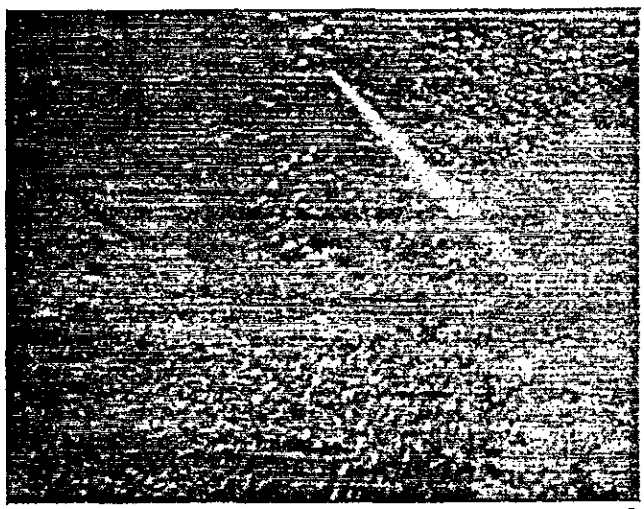
Technology Development (cont.)

- ✓ Hanford Tanks Initiative
  - ✓ Demonstration of Industrial Cold Waste Retrieval Systems (1997)
  - ✓ Remotely-Operated Crawler Vehicle Deployed for Waste Characterization (1998)
  - ✓ Contracts Awarded for Waste Retrieval Demonstration (1998)
  - ✓ Robotic Arm for Waste Sampling and Measurements (1997)

Light Duty Utility Arm



Hanford Tanks Initiative



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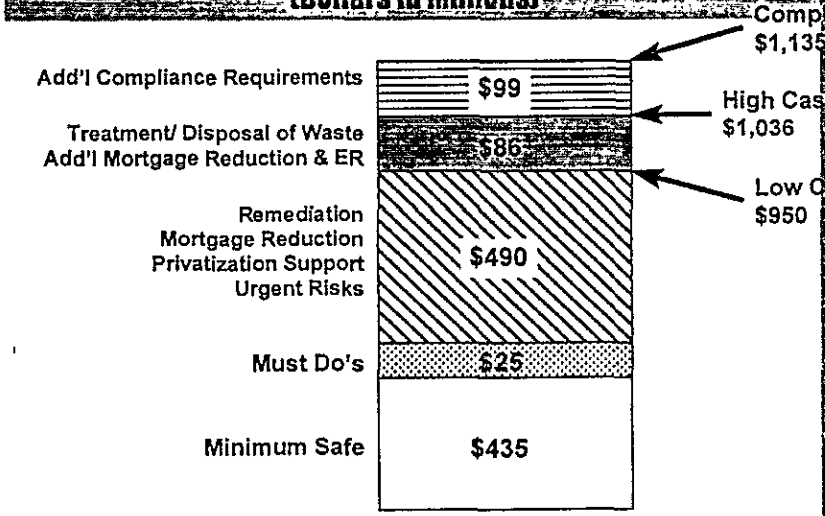
Prioritization Methodology

(Dollars in Millions)



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Impacts of a $5.5B Case

- ✓ Significant Impacts to Remedial Actions
- ✓ Restrict Operation of TRU Processing in WRAP 1
- ✓ Defer TRU Retrieval from Trenches One Year
- ✓ Defer Mixed Wasted Waste Treatment One Year
- ✓ Work to Support TWRS Privatization Delayed
- ✓ Lost Opportunities for Mortgage Reduction Savings

Baseline Validation

RL Cost Estimate Reviews and Validation Baseline Reviews

(Direct Funded Projects)

	Fully Developed Cost Estimates	Activity Based Cost Estimates Fully Developed	Independent Reviews Performed or Scheduled
Percent of Costs	100%	81%	90%

Reducing Hanford's Indirect Costs
FY 97 Budgets and FY 99 Targets

(Dollars in Millions)

	FY 97	FY 98	FY 99
PHMC	$321	$270	$250
PNNL	34	34	34
BHI	15	14	14
Less Crosscharges	(36)	(36)	(36)
Total Site Indirects	**$334**	**$282**	**$262**

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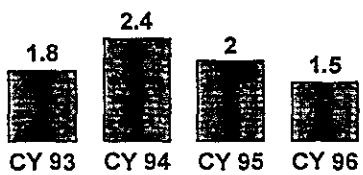
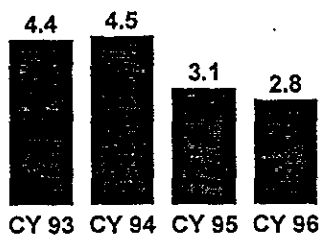
Safety and Health Successes

Worker activity is up, lost workday rates are down

Workman's Compensation costs are down ($1.5M returned to cleanup in 1995/96 while protecting people)



Lost Work Day Case Rate
(Number of Cases Per 200,000 Hours Worked)



Workman's Comp. Costs
(Dollars in Millions)

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Top Budget Issues for Stakeholder Consideration

We Have To Do More With Constrained Budgeting

- ✓Relative Priority Ranking
- ✓ER Program Priority
- ✓Spent Fuel Program Priority
- ✓Proceed With Tank Waste Treatment
- ✓Investment in Mortgage Reduction
- ✓Trade Offs

FY 99 Budget Breakout Session
Waste Management

Charles A. Hansen
DOE-RL Assistant Manager for
Waste Management

Spent Nuclear Fuel Activities

- ✓ Complete Canister Storage Building, Fuel Retrieval and Processing Facilities
- ✓ Remove Spent Fuel From K Basins (start 5/31/98)
- ✓ Condition Fuel For Dry Storage
- ✓ Store Dry Fuel in Canister Storage Building
- ✓ Provide Interim Storage For All Other Hanford Spent Fuels

Priority

Eliminate Urgent Risks Posed By Unsafe Spent Fuel Storage

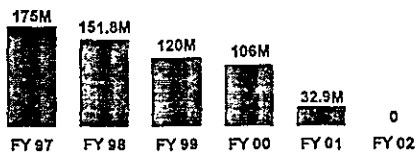
Spent Nuclear Fuel Accomplishments

- ✓ Canister Storage Building Vaults and Deck Complete
- ✓ Superstructure Installation Starts March 1997
- ✓ Spent Fuel and Basin Sludge Characterization Underway
- ✓ Safety Basis For Project Established

Spent Nuclear Fuel
Budget

Major Assumptions

- ✓ K Basin Sludge and PCBs Can Be Treated and Stored Within Current Baseline (High Risk)
- ✓ Planned Indirect Cost Reductions Occur As Planned Prior To Start of Fiscal Year



Spent Nuclear Fuel
Improved Cost Estimates

- ✓ Activity Based Costing (ABC) - Complete
- ✓ Critical Analysis - Complete
- ✓ Independent Cost Estimates (ICE)
  - ✓ Completed for Construction Projects
- ✓ FDH/DESH Savings For FY 97 and Beyond

Spent Nuclear Fuel Project Vision 2006

- ✓ K Basin Fuel Removed (2000)
- ✓ Spent Fuel in Dry Storage (2001)
- ✓ K Basin Sludge Removed (2001)
- ✓ All Hanford SNF in Interim Dry Storage (2001)

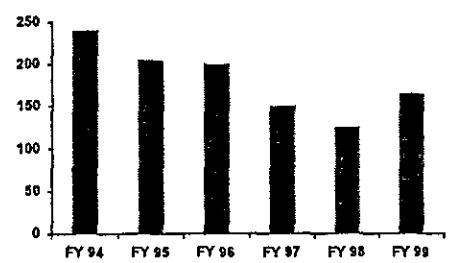
Waste Management Project Priorities

1. Maintain Safe Operations and Current Safety, Health, and Environmental Compliance Levels
2. Reduce Urgent Risks
   - Support Tank Waste Characterization
   - Support Spent Nuclear Fuel Activities
3. Reduce Outyear Mortgages
   - Support Transition Projects Activities
   - Finalize Transition Plans for TRUSAF, T Plant, (Spent Nuclear Fuel and Canyon)
4. Spent TWRS and ER Liquid Processing Programs

Waste Management Accomplishments

- ✓ Low-Level Waste Disposal Costs Cut by 2/3
- ✓ 30% Cut in All Operating Costs
- ✓ Total Budget Reduced 50% (FY 94-98) While Increasing Productivity
- ✓ Mixed Waste Privatization Contracting
- ✓ ATG Compaction and Metal Recycling
- ✓ 242-A Evaporator and 200 LEF Operations Combined
- ✓ WRAP 1 Startup - March 1997
- ✓ 340 Liquid Treatment Facility Shutdown

Waste Management Funding Profile



DOE-RL Waste Programs
Activity Based Cost (ABC) Estimating & Critical Analysis

- ✓ Waste Programs
- ✓ Activity Based Cost (ABC) Estimating 80%
- ✓ Critical Analysis Complete
- ✓ ABC of 242-A Evaporator and Mixed Waste Treatment to be Performed in FY 97

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FPC113-E 10

Waste Management
Fiscal Year Work Scope Comparison

Description	FY 97	FY 98	FY 99
Maintain current compliance levels	✓	✓	✓
Support PNNL waste management needs	✓	✓	✓
Support Hanford liquid effluent treatment, storage, and disposal	✓	✓	✓
Support Hanford analytical needs, particularly TWRS and SNF characterization	✓	✓	✓
Support solid waste treatment, storage, and disposal	Partial	Partial	Partial
Operate WRAP I for low-level only	Partial	✓	✓
Operate WRAP I for RMW and TRU	No	Partial	Partial
Coordinate hazardous waste treatment, storage, and disposal	✓	✓	✓

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FPC113-E 11

Waste Management
Fiscal Year Work Scope Comparison

Description	FY 97	FY 98	FY 99
Prepare for TRU retrieval	No	Partial	✓
Proceed with double-containment for 219-S and T Plant	✓	✓	✓
Initiate preparations for T Plant spent fuel removal	No	✓	✓
Initiate preparations for TRUSAF shutdown	No	✓	✓
Operate 340 Facility	✓	✓	✓
Provide Waste verification and decontamination services	✓	Partial	Partial
Coordinate site-wide waste minimization activities	✓	✓	✓
Continue Phase II stream upgrades	✓	Complete	

3/13/97

FPC113-E 12

Waste Management
Fiscal Year Work Scope Comparison

Description	FY 97	FY 98	FY 99
Continue 216 permitting for miscellaneous streams	✓	No	✓
Prepare for 340 Facility shutdown in FY 1999	No	No	✓
Support 222-S Facility life extension upgrades	Partial	Partial	Partial
Support TPA M-91 activities	No	Partial	Partial
Support burial ground closure	No	No	No
Support burial ground stabilization	No	✓	✓
Support mixed waste trench operations	No	✓	✓

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Budget Assumptions

- ✓ No Additional Waste Storage Facilities To Be Built -- Treatment and Disposal Will Keep Up With Generation
- ✓ Planned Indirect Reductions Occur Prior To The Start of Each Fiscal Year

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Waste Programs Division
Technology Needs

Waste	Problem	Proposed Solution	Applicable	Comment
MLLW	Treatment of Debris	Macroencapsulation	Polyethylene containers loaded with compacted debris	Demonstration will result in FY 97 treatment of 1000 drums of CH MLLW currently in storage
MLLW	High Cost to Characterize	Develop field deployable unit with rapid quantitative characterization results	X-ray fluorescence; fourier transform infrared spectrometry; Raman spectroscopy, and others	Funding options are currently being evaluated by the program office
TRU & MLLW	Treatment of Remote Handled	Adapt contact handled technology to remote facilities	Thermal treatment, stabilization, size reductions, decontamination, and macroencapsulation	Technology needs have been communicated to the Mixed Waste Focus Area

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FY 99 Programs Not Funded

- ✓ Remote Handled (RH) TRU Waste Treatment (M-91) Deferred One Year
- ✓ Retrieval of RH Waste From Caisson Deferred One Year

Potential Budget Reductions (Low Case)

- ✓ Deferral of Mixed Waste Treatment One Year (Partial) (M-19)
- ✓ Restrict Operation of TRU Processing in WRAP 1
- ✓ Defer CH-TRU Retrieval From Trenches One Year
- ✓ Defer RH TRU Retrieval From Trenches One Year
- ✓ Defer Treatment of Sodium In Storage One Year

Waste Management Vision 2006

- ✓ 10% TRU Waste Shipped to WIPP (2006)
- ✓ 5% Mixed Waste Treated and Disposal (2006)
- ✓ SNF Removed from T Plant Canyon (2001)
- ✓ Operations in T Plant at Min Safe (1999)

FY 99 Budget Breakout Session

Facility Transition

Peter M. Knollmeyer
Assistant Manager for
Facility Transition (Acting)

Mission

Transition Program Division (TPD)

✓ Deactivate surplus and aging facilities to a minimum surveillance and maintenance mode and transition to the Environmental Restoration program.

Site Infrastructure Division (SID)

✓ Provide effective infrastructure support to Hanford's current and future missions.

Project Management Division (PMD)

✓ Provide project management, systems engineering, and construction safety services to the Site.

Assumptions

✓ In FY 1999 and beyond, the Fast Flux Test Facility and the FMEF are funded entirely by Nuclear Energy

✓ Defense Nuclear Facility Safety Board (DNFSB) 94-1 stabilization activities will continue at Plutonium Finishing Plant (PFP) with completion planned in FY 2002. All high risk Pu vulnerabilities will be mitigated by September, 1998.

Assumptions (Cont.)

- ✓ PFP Special Nuclear Material (SNM) Vaults and Safeguards & Security activities will continue indefinitely
- ✓ Energy Savings Performance Contract will replace the three steam plants which will then be demolished
- ✓ Rail cars will be decontaminated

Program Priorities

Urgent Risks (Require Sitewide Systems Engineering)

- ✓ Plutonium Finishing Plant Plutonium Vulnerabilities
- ✓ 324 Hot Cell Cleanout
- ✓ 327 Damaged Cesium Capsules, Fuel, and Transuranic Waste Backlog
- ✓ Maintain Safe Storage of Plutonium and Cesium/Strontium Capsules at PFP and WESF

Program Priorities (Cont.)

Mortgage Reduction

- ✓ Complete deactivation of and transition to low cost surveillance and maintenance condition PUREX, B Plant, Plutonium Finishing Plant, 324, 327, and 309. Plan K Basins Deactivation.
- ✓ Deactivate and Transition 300 Area Fuel Supply and Nuclear Energy Legacy Facilities, 313 Building, and other miscellaneous 300 and 200 Area Facilities.

Maintain Essential Site Infrastructure

AMF FY 99 (EM) Budget

TPD	FY 97	FY 98	FY 99
PUREX	22.2 M	N/A	N/A
PFP / IAEA	65.5 M	63.2 M	74.8 M
Project W-460	1.0 M	8.9 M	22.6 M
B Plant / WESF	35.5 M	33.3 M	18.3 M
324 /327	21.8 M	30.2 M	32.5 M
FFTF / FMEF	42.6 M	36.8 M	29.1 M
NE Legacy / 309 Bldg.	4.0 M	3.8 M	3.8 M
300 Area Fuels	2.9 M	2.9 M	2.9 M
300 Area Shutdown (313 Bldg.)	.7 M	.9 M	3.1 M
Transition Project Management	10.3 M	9.3 M	10.2 M
Accelerated Deactivation	N/A	N/A	3.9 M
K Basin Deactivation Planning	N/A	N/A	.5 M
300 Area Revitalization	N/A	N/A	4.5 M
Transition Program Budget (Totals)	$266.5 M	$188.9 M	$206.2 M

3/17/97

EM Budget

SID Budget	FY 97	FY 98	FY 99
Site Infrastructure Maintenance	9.2 M	11.9 M	9.2 M
S&M / Demolishing Vacant Fac.	3.7 M	3.1 M	24.7 M
Site Infrastructure Budget (Totals)	$12.9 M	$15.0 M	$33.9 M

	FY 97	FY 98	FY 99
Sitewide System Engineering	$1.8 M	$ .8 M	$ .8 M
Total AMF Budget	$221.1 M	$205.1 M	$240.9 M
(Less AMF Allocation of Indirects Reduction)		-$4.4 M	-$6.4 M
		$200.7 M	$234.5 M

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Baseline Analysis

- ✓ Activity Based Cost (ABC) Estimates & Critical Analyses Have Been Used to Develop the Budgets for PFP, B Plant, WESF, FFTF, PUREX, & 300 Area/Special Nuclear Material Projects
- ✓ AMF Will Develop ABC Estimates for New Projects Received by TPD (Including 324/327 Buildings, K Basins Deactivation, and the Accelerated Deactivation Projects)

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Accomplishments

Description	FY 97	FY 98	FY 99
PUREX			
Complete Deactivation and Transfer to Environmental Restoration (ER)	✓		
B Plant			
Remove Organic to Interim Storage[TD]	✓		
Deactivation and Transfer to ER	✓	✓	
Decouple from Waste Encapsulation Storage Facility	✓	✓	
Design and Install Capsule Leak Detection System at WESF[TD]	✓	✓	

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FPC113-G 10

Accomplishments

Description	FY 97	FY 98	FY 99
Plutonium Finishing Plant			
Calcine Plutonium Nitrate[TD]	✓	✓	
Remove Contaminated Ductwork[TD]	✓	✓	✓
Safely Store SNM in Vaults	✓	✓	✓
Stabilize Polycubes			✓
Stabilize Metal/Oxides[TD]	✓	✓	✓
324 Facility			
B Cell Cleanout[TD]	✓	✓	✓
High Level Vault	✓		
Deactivate	✓	✓	✓
Remove Cs Laden (German) Logs	✓		
Cesium Powder and Pellets		✓	✓

3/13/97

FPC113-G 11

Accomplishments

Description	FY 97	FY 98	FY 99
327 Facility			
Remove Damaged Cs Capsules to WESF	✓	✓	
Remove Fuel Pieces to Dry Storage	✓	✓	
Clean out Legacy Transuranic Waste	✓	✓	
Deactivate Facility	✓	✓	✓
FFTF			
Completed Sodium Storage Facility	✓		
Wash Non-Reusable Fuel	✓		
Wash and Dispose of Long, Non-Fueled Assemblies		✓	
Fully Nuclear Energy Funded			✓

3/13/97

FPC113-G 12

Accomplishments

Description	FY 97	FY 98	FY 99
300 Area Fuels			
313 S Building Cleanup / Stabilization	✓	✓	✓
303 RCRA Clean Closure	✓	✓	✓
Waste Acid Treatment System Closure	✓	✓	✓
NE Legacy			
Deactivate and Transfer to Environmental Restoration for Long Term S&M	✓	✓	✓

Accomplishments

Description	FY 97	FY 98	FY 99
Site Infrastructure			
Railroad Car Cleanout	✓	✓	✓
Vacant Facility Demolition	✓	✓	✓
Energy Savings Performance Contract	✓	✓	✓
Steam Plant Removal / Recycle			✓
Project 2000		✓	✓
Landfill Closure Project Study (Line Item for FY 2001)			✓

Budget Impacts

High Funding Scenario

- ✓ AMF is compliant with all laws, regulations, and the Tri-Party Agreement
- ✓ Mortgage Reduction savings are limited by funds available to invest in 300 Area Revitalization and Accelerated Deactivation programs

Low Funding Scenario

- ✓ In addition to lost opportunities for Mortgage Reduction savings, Accelerated Deactivation and 300 Area Revitalization Projects will be delayed about 2 years

Vision 2006

- ✓ Substantial Mortgage Reduction Effort Completed. All of the Following Facilities Deactivated and Transferred to Environmental Restoration (ER) for Long Term Surveillance and Monitoring:
  - ✓ PUREX (1997)
  - ✓ B Plant (1998)
  - ✓ 327 (2002)
  - ✓ K Basins (2006)
  - ✓ 309 (2000)
  - ✓ 300 Fuels Facilities (2000)
- ✓ NE Legacy Deactivated and Transferred to ER
- ✓ Accelerated Deactivation Buildings Deactivated and Transferred to ER
- ✓ PFP DNFSB 94-1 Complete (2002)

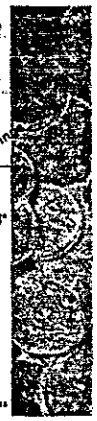
Vision 2006

- ✓ 300 Area Revitalization Largely Complete
- ✓ ~ 34 Vacant Landlord Facilities Demolished
- ✓ Energy Savings Performance Contract in Operation

Breakthroughs

	Baseline Completion	Breakthrough Completion	Potential Savings
PFP Vault Management Evaluate ways to reduce the cost for Plutonium storage	N/A	N/A	~ 40 - 60 M* ~ 400 - 500 M*
324 / 327 Deactivation Evaluate ways to accelerate deactivation of 324 / 327 project by 2 years through the use of innovative technologies	2002	2000	~ 30 - 40M

* Ten Year savings are targeted to achieve ~40 - 60 M in savings over current baseline plan. Through FY 2025, total lifecycle savings of ~ $400 - $500 million are projected.



FY 99 Budget Breakout Session

Tank Waste Remediation System

Jackson E. Kinzer
Assistant Manager for
Tank Waste Remediation System

March 13, 1997

Program Description

The Tank Waste Remediation System provides for:

- ✓ Safe, continued storage of waste in single- and double-shell tanks
- ✓ Mitigation of safety issues
- ✓ Characterization of tank wastes
- ✓ Retrieval, treatment, and immobilization of tank wastes
- ✓ Onsite disposal of immobilized low-activity wastes
- ✓ Offsite disposal of immobilized high-level waste

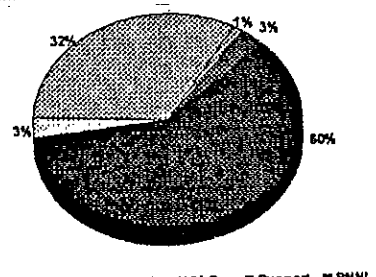
Program Assumptions

- ✓ No new safety issues will emerge; resolution of existing safety issues will not impede treatment and disposal of tank wastes
- ✓ No new tanks will be needed with continued operation of the evaporator
- ✓ Privatization contracting methodology will be used for tank retrieval, treatment and immobilization
- ✓ Funding levels remain at levels in Ten Year Plan

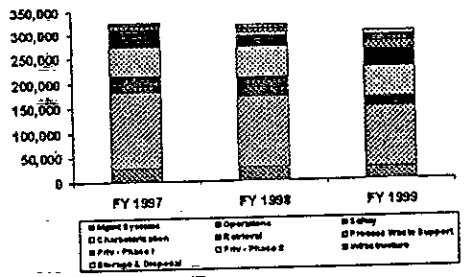
Program Priorities

- ✓ Maintain minimum safe operations
  - ✓ Tank farm operations; safety issue resolution; min. safe characterization; single-shell tank (SST) stabilization; Final Safety Analysis Report/Basis for Interim Operation
- ✓ "Must Do"
  - ✓ Tank farm capital upgrades; Tank 106-C sluicing; vadose zone drilling/mapping; tank farm interim stabilization; characterization to meet Defense Nuclear Facilities Safety Board 93-5
- ✓ Tank Waste Disposal
  - ✓ Retrieval, Hanford Tank Initiative, privatized waste immobilization plants, disposal

TWRS Share of EM-30 FY 99 Budget



FY 97, FY 98, FY 99 Project Elements



Baseline Validation

- ✓ Activity Based Cost estimates developed - firmly establishes Program cost
- ✓ Department of Energy-Headquarters - Conducted Independent Cost Estimate Reviews (within 2%)
- ✓ Ongoing Reviews (Project Time & Cost, Ecology/Richland Operations Office)

Tank Waste Remediation System

97/98 Planned Actions:

- ✓124 Single-Shell Tanks Stabilized (83%)
- ✓5 of 12 Single-Shell Tank Farms Interim Stabilized (41%)
- ✓133 of 177 Tanks Characterized (75%)*
- ✓New Cross-Site Transfer Line Operational
- ✓Place Phase IB Contracts
- ✓Remove Waste From High-Heat Tank 106-C

*Baseline change in negotiation with Ecology; $44M (FY 98), $45M (FY 99) unfunded for current Tri-Party Agreement compliance

Key FY 99 Program Accomplishments

- ✓ Continued Safe Storage of Tank Wastes
  - ✓Removal of liquids from 8 single-shell tanks (132 of 149 complete)
  - ✓Removal of contamination and contaminated equipment from 1 tank farm (6 of 12 complete)

Key FY 99 Program Accomplishments (cont.)

- ✓Characterization of Tank Waste
  - ✓Issue 25 Tank Characterization Reports* (158 of 177 tanks characterized)
  - ✓Samples and information provided to support private disposal efforts

*Baseline change in negotiation with Ecology; $44M (FY 98), $45M (FY 99) unfunded for current Tri-Party Agreement compliance

Key FY 99 Program Accomplishments (cont.)

- ✓ Disposal of Tank Waste
  - ✓ Private vendor feed staging equipment upgrades underway
  - ✓ Single-shell tank retrieval methods demonstration (slurry, hard heels, others)
  - ✓ Initiate private vendor vitrification plant construction
  - ✓ Initiate infrastructure upgrades construction
  - ✓ Low-activity waste, high-level waste interim storage facilities in design

Budget Impacts

- ✓ FY 98-99 Potentially Favorable Baseline Adjustments:
  - ✓ Independent Experts - Critical Analysis being performed on all projects
  - ✓ Ecology/Richland Operations Office - Reviewing project workscope/estimates

Budget Impacts

- ✓ FY 98-99 Potentially Unfavorable Baseline Adjustments:
  - ✓ Vadose Zone $ To be determined (TBD)
  - ✓ Project W-211 (Double-Shell Tank Retrieval) acceleration* - Total estimated cost (TEC) unchanged, $4M FY 98, $16M FY 99
  - ✓ Project W-314 (Tank Farm Upgrades) acceleration* TEC unchanged, $5M FY 98, $14M FY 99
  - ✓ FSAR implementation $TBD
  - ✓ K Basin Sludge $TBD

* Potentially required to support privatization

Budget Impacts (cont.)

- ✓ Excluding potential baseline adjustments, FY 98-99 funds/scope difference is manageable if Characterization Project can be resolved without additional funding requirements

Vision 2006

- ✓ Waste tank safety issues have been resolved/mitigated (FY 01)
- ✓ Tank characterization of all tanks completed (FY 00)
- ✓ All single-shell tank (SST) farms interim stabilized (FY 01)
- ✓ Waste retrieval has been initiated from 10 SSTs; all remaining SSTs have been prepared for retrieval (FY 06)
- ✓ Phase I low-activity waste/high-level waste (LAW/HLW) privatized facilities are operational (FY 03)
- ✓ Immobilized LAW disposal facilities operational (FY 05); immobilized HLW being interim stored (FY 03)

Vision 2006 Technology Development Activities and Needs

- ✓ Low- and high-level waste glass acceptance inspection and test methods
- ✓ Low-activity waste (LAW) and high-level waste (HLW) glass formulation and troublesome components (e.g., chromium)
- ✓ LAW and HLW waste minimization
- ✓ Cesium and strontium capsule disposition
- ✓ Performance assessment to support LAW disposal at Hanford
- ✓ Hanford Tanks Initiative: Criteria for waste removal and improved methods for retrieval

Hanford Cleanup: Getting On With It

Alice Q. Murphy
Chief Financial Officer
DOE-RL

Purpose of the Meeting

- ✓ To Communicate Information on RL's Draft DOE Budget for FY 99 and its Development
- ✓ Work in Progress
- ✓ To Continue the Process for Getting Feedback from Regulators, Tribal Nations, the Hanford Advisory Board and Other Stakeholders

Goals

- ✓ An Open Process
- ✓ A Regional Perspective
- ✓ The Best FY 99 Budget Possible
- ✓ Consensus Where Possible
- ✓ Identification of Diversity Where it Exists

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Why This Is Important

- ✓ Diversity of Opinion and Backgrounds is Valuable in Improving the Product
- ✓ Common Support for Hanford Priorities is Important
- ✓ The Future Budget Outlook
  - ✓ Balanced Budget Proposal - FY 02

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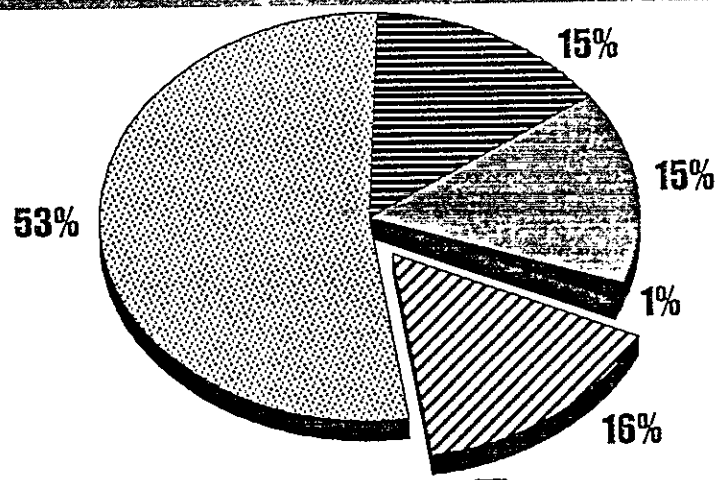
Fbw113-B4

National FY 98 Spending



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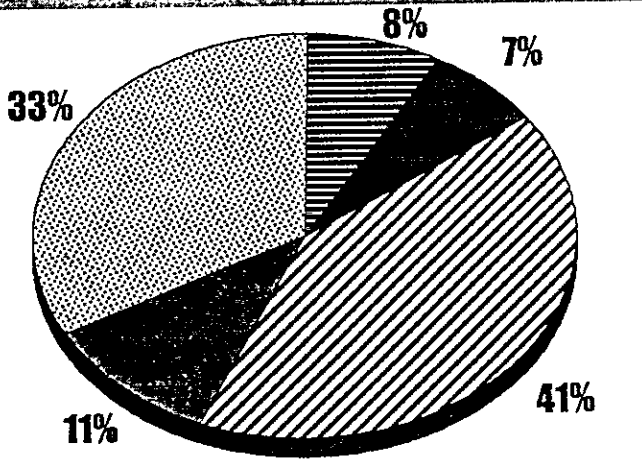
FY 98 Revenue Sources



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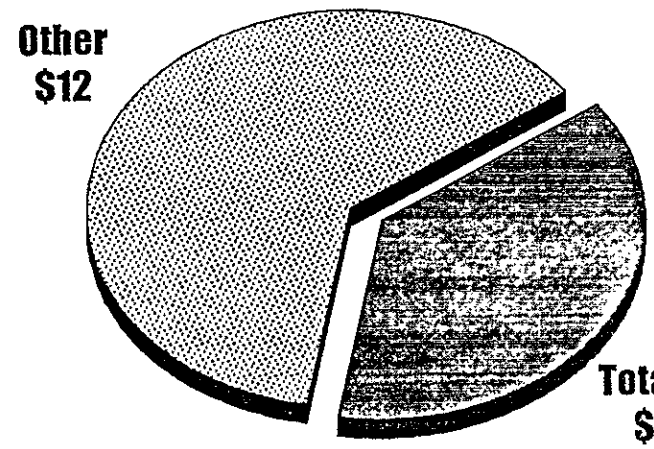
Total DOE FY 98 Congressional Request
$19.2

(Dollars in Billions)



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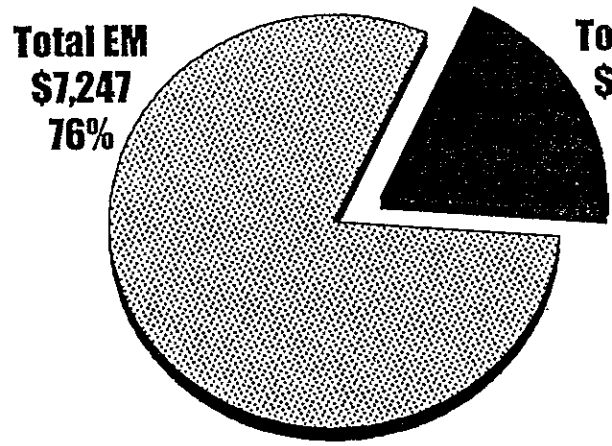
FY 98 EM Budget Summary

(Dollars in Millions)



*Includes $202M for "Future Construction Funding" and $427M for Privatization

3/12/97

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Breakout Sessions

- ✓ Each Session will be Facilitated
- ✓ 20-Minute Presentation by DOE-RL Program Managers
- ✓ 30 Minutes for Comments and Questions
- ✓ Each Session will have Someone Noting Comments and Questions on a Flip Chart

3/12/97

Fbw113-B9

Format for Break-Outs

- ✓ FY 99 Program Budget
  - ✓ Assumptions
  - ✓ Priorities
  - ✓ Key Accomplishments
  - ✓ Vision 2006
  - ✓ Impacts

Breakout Session Information and This Morning's Presentations will be Available on the Hanford Home Page

http://www.hanford.gov/

3/12/97

Fbw113-B10

Documents Available on Back Table

- ✓ Copies of the Integrated Priority List
- ✓ Copies of the Hanford Strategic Plan
- ✓ Copies of Today's Agenda
- ✓ Copies of this Morning's Presentations
- ✓ Sign-up Sheets for the 4:00 PM Comment Period
- ✓ Comment Cards
- ✓ Information about the Spokane, Portland and Seattle Meetings
- ✓ Copies of Past Hanford Advisory Board Advice

3/12/97 Fbw113-B11

How Will DOE Handle Your Comments

- ✓ Comments will be Given to Programs for Consideration as They Refine Their Budgets
- ✓ Written Comments will be Responded to in Writing
- ✓ Comments on Flip Charts will also get Responses
- ✓ Comments will be Summarized and Forwarded to DOE-HQ

3/12/97 Fbw113-B12

Send Comments To:

Send Comments Concerning
DOE-RL's Draft FY 99 Budget to:

Alice Q. Murphy
Chief Financial Officer
Department of Energy
Mail Stop A7-29
P.O. Box 550
Richland, WA 99352

By April 10, 1997

3/12/97

Fbw113-B13

Project Hanford Management Contract Comparison to WHC Data

Alice Q. Murphy
RL Office of Business Mgmt and CFO

Roger C. Corless, CFO
Fluor Daniel Hanford, Inc.

Point of View

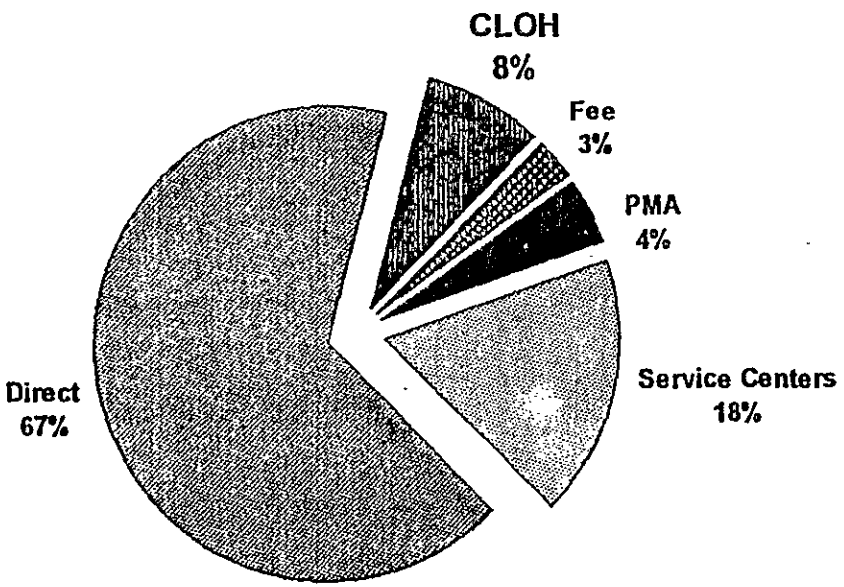
- There are many benefits associated with the Project Hanford Management Contract (PHMC) structure.
- PHMC's FY97 indirects are $26M higher than WHC's FY96 actuals.
- RL and FDH are taking actions to reduce PHMC indirect costs.

Agenda

- Background
  - PHMC Indirects - What are They?
  - WHC Indirect Reductions were Significant
  - PHMC Concept - Why did we choose it?
  - RL Addressed PHMC Cost Risks
- PHMC Impacts and Benefits
  - Crosswalk of Indirect Costs - $26M Increase
  - Benefits
  - Enterprise Company Management
  - FDH Indirect Targets - Two Funding Scenarios

PHMC Indirects

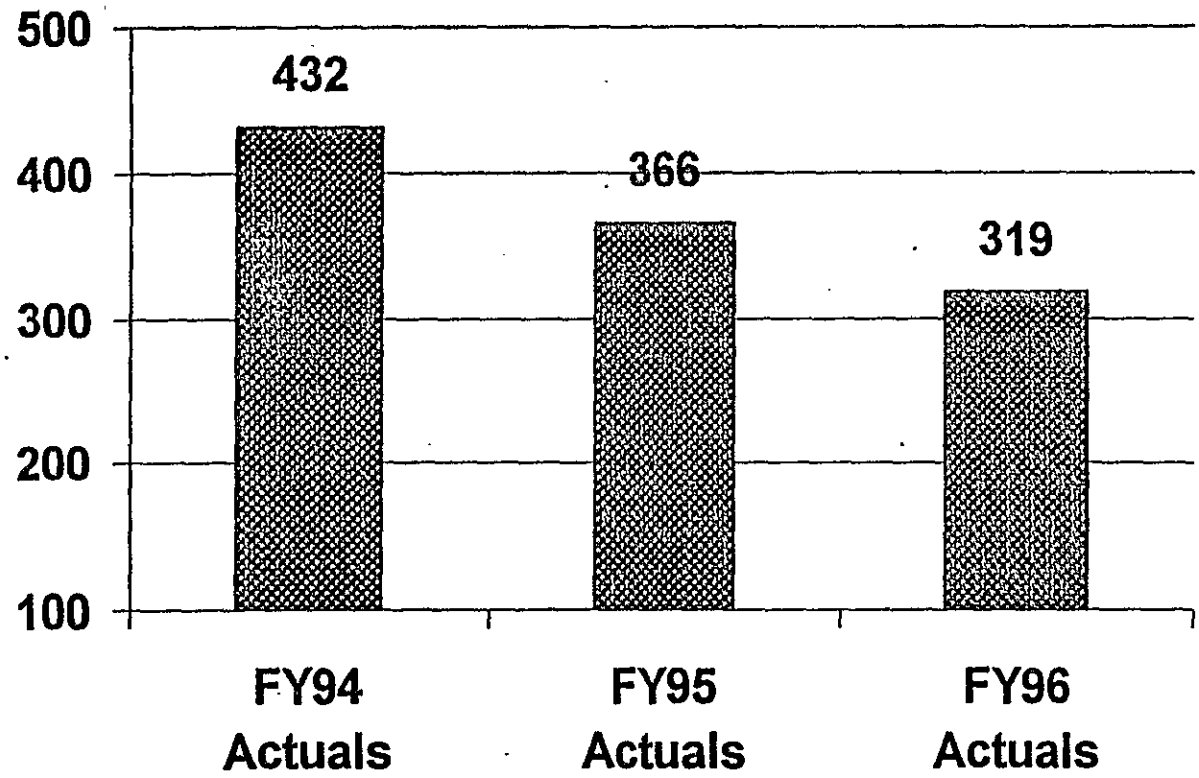
Indirects ≠ Overhead



Shows indirects as a percent of total FY97 budget.

- Company Level Overhead
  - FDH G&A, Security, Fire, Road Mtc.
  - Allocated to all programs.
- Fee
  - Fee for indirect performance agreements.
  - Allocated to all programs.
- Project Management Accounts
  - Major project specific; managerial.
  - Allocated to benefiting projects.
- Service Centers
  - Heavy Equipment, Waste Burial, Analytical Labs, HAMMER, Crane & Rigging, Utilities, Medical Svc, Computing, Dosimetry.
  - Allocated to benefiting projects on representative bases; sized by projects.

Westinghouse Indirect Reductions were Significant



PHMC Concept - Why did RL choose it?

- Divides work into discrete pieces.
- Best in Class subcontractors focused on Workscope Projectization.
- Access to Worldwide Resources.
- Increased Competition.
- Ability to Recompete earlier (2 years).
- 100% Performance Based Fee.
- Local Economy less dependent on Hanford.

RL Addressed PHMC Cost Risks

- Negotiated "best deal" with all companies before final selection for both technical and cost proposals.
- To mitigate indirect increases, RL:
  - partnered with Rocky Flats to determine "lessons learned".
  - asked offerors to describe how they would mitigate layering of indirect costs.

Crosswalk of Indirect Costs

- RL asked FDH to provide an apples to apples comparison of PHMC indirect costs to WHC's $319 M actuals.
- Difficult comparison to make due to complexity and different structure.
  - One time comparison.
- This comparison identified a $26M increase.
- Increase results from:

– $ 4	Enterprise Company Work
– $13	Increased Scope (Net of Reductions)
– $ 9	New Structure
$26	

Benefits

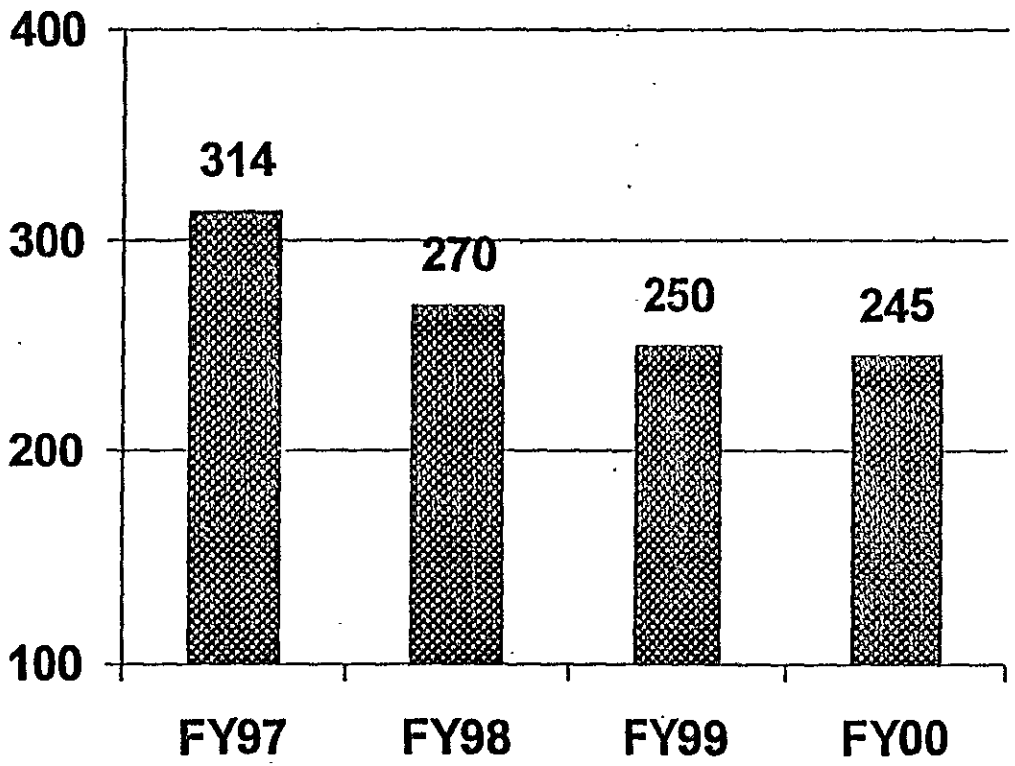
- Integrated Financial System
  - project management
  - invoicing, additional cost information
- Contractual Structure and Performance Measures
  - entire fee at risk
- Competition pressured lowest fee proposal.
- Companies focused on results with specific expertise.

Enterprise Company Management

- Enterprise structure has increased indirect costs by approximately $4M.
- RL is working with FDH to approve the Enterprise Company subcontracts.
  - Reviewing the costs and benefits.
  - If savings are not indicated, RL will work with FDH to take appropriate contractual actions.

PHMC Indirect Targets

assuming $5.5B Funding Level

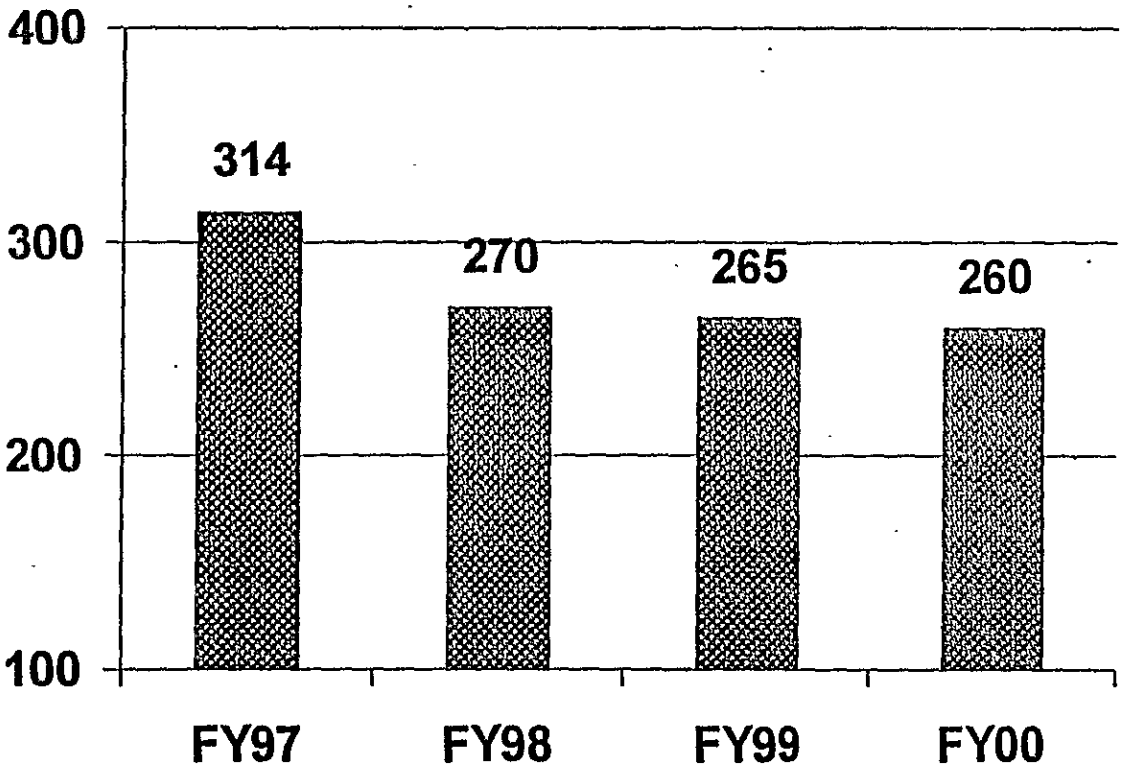


FY01-06:
Reduce $5M
per year.

Note: This represents the PHMC indirect structure and is not comparable to WHC data.
Final rates to be established in June 97.

PHMC Indirect Targets

assuming $6.0B Funding Level



FY01-06:
Reduce $5M
per year.

Note: This represents the PHMC indirect structure and is not comparable to WHC data.
Final rates to be established in June 97.

Key Points to Remember

- RL supports the PHMC concept because of the many advantages it offers.
- RL is challenging PHMC to continue reducing indirects.
- Indirect targets are aggressive.
- Performance will be measured against the Integrated Site Baseline and specific performance measures.

HANFORD FY 1999 INTEGRATED PRIORITY LIST (IPL)
- COLUMN HEADING LEGEND -
(for IPL Working Draft dated March 11, 1997)

- EM Office: The DOE, Environmental Management Program Office with overall responsibility for the work.
  EM-30 - Waste Management
  EM-40 - Environmental Restoration
  EM-60 - Nuclear Materials and Facility Stabilization
  EM-70 - Site Operation

- RL Program: The abbreviated title of the major program.
  TWRS - Tank Waste Remediation Systems
  FT - Facility Transition Project
  ER - Environmental Restoration
  The other program acronyms in this column are self explanatory.

- DOE-RL and Contractor Program Manager: The last name of the RL program manager or Contractor Project Director with primary responsibility for the Unit of Analysis workscope.

- PBS Number: The identification number of the Ten Year Plan, Project Baseline Summary (PBS).

- UAS Number: The Unit of Analysis unique identification number.

- Priority: The order of priority of each Unit of Analysis on the Integrated Priority List. The numbers in the "98 priority" column are the FY 1998 priority numbers of the Units of Analysis that were included in the FY 1999 Mission Planning Guidance. The "99 priority" numbers identify the current priority order.

- Unit of Analysis: This is the activity name for each Unit of Analysis.

- FY 1997-1999: These columns reflect the fiscal year funding requirements for each Unit of Analysis.

- FY99 Risk Evaluation: This is the summary of the evaluation of each risk category listed. "U" = Urgent, "H" = High, "M" = Medium, and "L" = Low.

  PS - Public Safety and Health
  SP - Site Personnel Safety and Health
  EN - Environmental Protection

- Compliance Drivers: This summarizes the compliance drivers by putting them into three main categories. ("Y" = yes)

  E.O.12088 - This includes drivers related to both the Federal Facilities Compliance Agreement (e.g. Tri-Party Agreement) and the requirements of Executive Order 12088, such as compliance with:
  Toxic Substances Control Act
  Federal Water Pollution Control Act
  Solid Waste Act
  CERCLA
  RCRA
  DNFSB - Defense Nuclear Facility Safety Board recommendations
  Other - This column notes if the Unit of Analysis is driven by any other compliance driver

- What are we Buying? The summary of what is to be accomplished by the workscope in each Unit of Analysis.

- Funding Subtotal Lines: Several funding subtotal lines are shown on the priority lists to designate the following information:

  Min Safe Subtotal: This subtotals the funding requirements for minimum safe operations.

  Low Scenario Subtotal: This reflects a funding target aligning with DOE-Headquarters' FY 1999 $5.5 billion funding case for EM activities.

  High Scenario Subtotal: This reflects a funding target aligning with DOE-Headquarters' FY 1999 $6.0 billion funding case for EM activities.

  Compliance Levels: This groups activities prioritized below the "high scenario" level that, if not funded, will result in non compliance within the time frame indicated in each subtotal line.

Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
60	FT	Knollmeyer	Olguin	TP07	1	1	1	PFP Min Safe	32592	33077	38052	38052	U	U	U	Y			The PFP vault complex will be operated and maintained to ensure the safe and secure storage of Special Nuclear Material (SNM) until final disposition of SNM, Nuclear Materials (NM) and Nuclear Fuels (NF) is implemented.
60	SNF	Hansen	Williams	WM01	2	2	2	Maintain Fuel in K-Basin	25337	25922	27255	65307	U	H	U	Y	Y		Provides for minimum safe operation of the K Basins for storage of 2100 metric tons of spent nuclear fuel until fuel, sludge, and debris removal operations are completed in FY 2001; includes surveillance, maintenance, safeguards, and radiological control
30	TWRS	Kinzer	Umek	TW03	3	3	3	TWRS 200 EAST DST MINIMUM SAFE OPERATIONS	29224	30613	30613	96120	H	H	H			Y	Operate all 200 East DST tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations
30	TWRS	Kinzer	Umek	TW03	4	4	4	TWRS (GPP)200 EAST DST MINIMUM SAFE OPERATIONS		1600		96120							
30	TWRS	Kinzer	Umek	TW03	5	5	5	TWRS 200 EAST SST MINIMUM SAFE OPERATIONS	13000	13015	12980	109100	H	H	H			Y	Operate all 200 East SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement.
30	TWRS	Kinzer	Umek	TW03	6	6	6	TWRS 200 WEST DST MINIMUM SAFE OPERATIONS	11222	11355	10295	119395	H	H	H			Y	Operate 200 West tank farm facilities by performing surveillance monitoring and routine operations and maintenance.
30	TWRS	Kinzer	Umek	TW03	7	6	7	TWRS W-058 START		1035		119395							
30	TWRS	Kinzer	Umek	TW03	8	7	8	TWRS 200 WEST SST MINIMUM SAFE OPERATIONS	13079	13151	9963	129378	H	H	H			Y	Operate all 200 West SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement.
30	TWRS	Kinzer	Umek	TW01	9	7	9	TWRS WASTE CHARACTERIZ'N (Suppt to Min Safe) Char-050	5673	5900	6077	135455	M	M	M		Y		Provide planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support saltwell pumping operations.
30	TWRS	Kinzer	Umek	TW03	10	8	10	TWRS 200 EAST SST STABILIZATION/ISOLATION MIN SAFE	1574	3100	1004	136459	H	H	H			Y	Maintain minimum safe storage of waste within the tanks. This includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support saltwell pumping operations.
30	TWRS	Kinzer	Umek	TW03	11	9	11	TWRS 200 WEST SST STABILIZATION/ISOLATION MIN SAF	13213	14100	7973	144432	H	H	H			Y	Tank Farm Interim Stabilization and Tank Farm Intrusion Prevention
30	TWRS	Kinzer	Umek	TW02	12	9	12	TWRS STABILIZATION SAFETY SYSTEMS (EXHAUSTERS)	3067	1678	2500	148932	H	H	H			Y	Procurement of 4 portable exhausters in FY99.
30	TWRS	Kinzer	Umek	TW01	13	9	13	TWRS WASTE CHARACTERIZ'N (Support to SST Stabilization	873	1300	1339	148271	M	M	M		Y		Provide planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support SST Stabilization.
30	TWRS	Kinzer	Umek	TW02	14	10	14	TWRS FLAMMABLE GAS MINIMUM SAFE OPERATIONS	22199	19581	8895	157168	H	H	H		Y		Close out the high heat safety issue (following retrieval of waste from tank C-106), flammable gas safety issue, and flammable gas safety question.
30	TWRS	Kinzer	Umek	TW01	15	10	15	TWRS WASTE CHARACTERIZ'N (Support to SST Flammable	14261	16700	17201	174367	M	M	M		Y		Provide support to SST Flammable Gas Program; Includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
30	TWRS	Kinzer	Umek	TW02	16	10	16	TWRS LIGHTNING PROTECTION	1227	500		174367							
30	TWRS	Kinzer	Umek	TW03	17	10	17	TWRS SAFETY, USQ, AUTHORIZATION BASIS	10340	5000	3000	177367	H	H	H			Y	BIO Implementation, TWRS FSAR Development, Safety & Licensing/Safety Management System
30	TWRS	Kinzer	Umek	TW10	19	11	18	TWRS MINIMUM SAFETY MANAGEMENT CONTROL	13311	12611	9656	187223	H	H	H			Y	Provides overall program management for all TWRS projects including Systems Engineering, ESH&QA, maintenance of technical, schedule, and cost baseline
30	TWRS	Kinzer	Umek	TW03	180	141	19	TWRS FSAR IMPLEMENTATION		5000	2381	189604	H	H	H			Y	Establish the Final Safety Analysis Report (FSAR) and implement its requirements
30	TWRS	Kinzer	Umek	TW10	20	11	20	TWRS MANAGEMENT SYSTEMS - DOE-RL, PNNL , OTHERS	5237	5237	5237	194841							Provides technical, programmatic, and administrative support to the RL TWRS Program
30	TWRS	Kinzer	Umek	TW10	21	11	21	TWRS MANAGEMENT SYSTEMS - FEE	5294	9331	9331	204172							Project Hanford Management Contractor Performance Fee Award.
30	TWRS	Kinzer	Umek	TW03	18	10	22	TWRS A FARM COMPLEX OPS/MAINT. MIN SAFE (EAST)	5275	5200	5200	209372	H	H	H			Y	Operate all 200 East DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations.
30	SCI & TECH	Rossell	Fulton	STO1	22	13	23	PNNL WMOC: MIN SAFE SURV & MAINT	4375	4962	3580	212952	U	U	U	Y			Maintains PNNL 300 Area facilities in minimum safe condition
30	FT	Knollmeyer	Olguin	TP08	23	14	24	324 Building Min Safe	8650	9479	10395	223347	H	H	H	Y			Provides minimum safe operations for 324 facility.
30	FT	Knollmeyer	Olguin	TP08	24	14	25	327 Building Min Safe	4196	5067	5332	228679	H	H	H	Y			Provides minimum safe operations for 327 facility.
60	FT	Knollmeyer	Olguin	TP02	25	15	26	WESF Min Safe	9654	9110	9944	238623	H	H	H	Y			Provide safe and compliant storage of cesium and strontium capsules.

Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
30	Waste Mgmt	Hansen	Mattsson	WM05	54	54	27	200 LEF Minimum Safe	18393	18865	19207	257830	M	M	H	Y			Provides for safe, cost-effective and environmentally sound operation, maintenance, and engineering support for the 200 Area TEDF and LERF and minimum operations and maintenance activities to maintain the ETF and 242-A Evaporator in a stand-by mode. Su
60	FT	Knollmeyer	Olguin	TP11	27	17	28	ART Min Safe (FFTF, FMEF, NE Legacies, 309 Building)	32102	33213	30474	288304	M	H	H	Y			Maintain the FFTF in a "hot" standby condition. Maintain FMEF, 309 & NE Legacy facilities in a safe and compliant condition.
30	Waste Mgmt	Hansen	Mattsson	WM05	32	25	29	300 LEF Minimum Safe	7838	7365	7979	296283	L	L	L	Y		Y	Provides safe, cost-effective and environmentally sound operation, maintenance and engineering support for the 300 Area TEDF and the 340 Waste Handling Facility/307 Retention Basins. Supports RCRA other state and Federal Regulations/Laws.
40	ER	Bauer	M.C. Hughes	ER05	44	46	30	MIN SAFE - 100 AREA D&D - S&M	3525	4432	4316	300599	L	H	H	Y			S&M of 8 Reactors and over 100 Ancillary Fac.
40	ER	Bauer	M.C. Hughes	ER05	45	46	31	MIN SAFE - 100 AREA D&D - Fac Trans S&M				300599	L	H	H	Y			S&M of N Reactor and 100 Ancillary Fac.
60	FT	Knollmeyer	Olguin	TP01	31	24	32	B-Plant Min Safe	13526	9298	1280	301879	M	M	H	Y			Provide minimum safe operations of B Plant.
30	Waste Mgmt	Hansen	Mattsson	WM05	33	27	33	Liquid Effluents Min Safe Prog Mgmt	1730	1533	1699	303578	M	M	H			Y	Provides overall coordination, direction, and customer interface for the activities in the Liquid Waste Program. Administrative support is provided for program documentation, funds management, scheduling and reporting. Supports DOE Requirements.
30	Waste Mgmt	Hansen	Mattsson	WM06	28	20	34	222-S Minimum Safe	17631	17757	18376	321954	L	M	L			Y	Provides base funds to assure the 222-S Lab is available to perform sample analyses for clean up operations. Does not include for the analytical sample analyses. Complies with federal and state regulations and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM06	40	40	35	WSCF Minimum Safe	4542	4618	5067	327041	L	L	M			Y	Provide general analytical chemistry services for samples less than 1 mR/hr to support cleanup operations. Complies with federal and state regulations and DOE orders.
30	TWRS	Kinzer	Umek	TW02	35	29	36	TWRS ORGANIC MINIMUM SAFE OPERATIONS	6314	6596	3764	330805	M	M	M		Y		Update the organic nitrate and organic solvent Safety Analysis Reports in FY99
40	ER	Bauer	M.C. Hughes	ER07	46	51	37	MIN SAFE - LONG TERM S&M	196	193	192	330997	L	M	M	Y			Post Remediation Monitoring of 1100 Area
70	Mis. Support	Rasmussen	Bryce	OT01	37	34	38	MIN SAFE HANFORD ENVIRONMENTAL SURVEILLANCE	3890	3950	4112	335109	L	U	H	Y			Measures integrated effects of Hanford derived contaminants
60	FT	Knollmeyer	Olguin	TP03	38	35	39	PUREX Deactivation	22218			335109				Y			Complete PUREX deactivation and transition to minimal S&M mode.
60	FT	Knollmeyer	Olguin	TP04	39	36	40	300 Area FSS Min Safe	2896	2941	2929	338038	L	L	L	Y			Maintain the 300 Area Fuel Supply System in a safe compliant state.
30	Waste Mgmt	Hansen	Mattsson	WM06	34	28	41	Analytical Services Prog. Mgmt. Minimum Safe	1552	1579	1953	339991	L	L	L				Focus of responsibility and authority for management Analytical Services to ensure credible and timely data and results are achieved.
30	Waste Mgmt	Hansen	Mattsson	WM04	59	127	42	2706-T Minimum Safe	4635	4742	4931	344922		M		Y			Provides minimum safe support capabilities at the 2706-T Facility. Operational activities include decontamination, waste treatment and verification and liquid waste tank car operations.
30	Waste Mgmt	Hansen	Mattsson	WM04	41	42	43	T Plant Canyon Minimum Safe	10913	6385	5967	350689		M		Y			Provides minimum safe support capabilities at the T-Plant Waste and Decontamination Services Canyon Facility. Support operations include 221-T canyon decontamination, remote handled waste treatment and verification and spent fuel storage operations.
30	Waste Mgmt	Hansen	Mattsson	WM04	26	16	44	WRAP MIN SAFE	10048	8071	8082	358971	H	H	H	Y			Provides for facility maintenance, surveillance, administration/management and training as required by applicable procedures/regulations, excluding those activities associated with NDE/NDA, LLW and TRU process line operations.
40	ER	Bauer	M.C. Hughes	ER06	36	32	45	MIN SAFE - GW MGT CERCLA/RCRA MONITORING & REPO	591	10495	11074	370045	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER05	29	22	46	MIN SAFE - RARA	3000	3500	3500	373545	M	M	H	Y			Maintenance of 390 waste sites
40	ER	Bauer	M.C. Hughes	ER05	47A	48	47	MIN SAFE - ASBESTOS ABATEMENT	41			373545	L	H	M	Y			Asbestos Abatement Project Management
40	ER	Bauer	M.C. Hughes	ER05	48	47	48	MIN SAFE - 200 AREA D&D - S&M	2500	2400	2400	375945	L	H	M	Y			S&M of 50 inactive fac. (including REDOX & U Plant)
40	ER	Bauer	M.C. Hughes	ER05	49	47	49	MIN SAFE - 200 AREA D&D - FACILITY TRANSITION S&M		1200	1200	377145	L	H	M	Y			S&M of 100 inactive fac. (including PUREX)
40	ER	Bauer	M.C. Hughes	ER05	51	50	50	MIN SAFE - 300 AREA D&D - FACILITY TRANSITION S&M		200	400	377545	M	H	M	Y			S&M of 21 inactive fac.
30	Mis. Support	Rasmussen	Adair	OT01	53	52	51	Effluent & Environmental Monitoring (EEM) Program	4308	3926	6300	383845	L	M	M			Y	Provides two vital services to help maintain on-site work safety and health and off-site public safety and health.

Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
30	Waste Mgmt	Hansen	Mattsson	WM03	42	41	52	CWC / LLBG MIN SAFE	17302	15327	15505	399350	M	M	M	Y	Y		Provides for compliant facility conditions to receive waste from on-site and off-site generators; for operations and maintenance of the CWC, TRUSAF, LLBG, Mixed Waste trenches, and 616; TRUSAF transitions preparations and Solid Waste EIS development.
30	Waste Mgmt	Hansen	Mattsson	WM03	43	43	53	SW PROGRAM MANAGEMENT MIN SAFE	9328	9070	9445	406795				Y	Y		Provides for systems engineering, program direction, data management, safety/health, security and safeguards; and administration with the associated training for the assigned personnel for compliant project monitor, control and operations.
70	Landlord	Knollmeyer	McGinley	TP13	56	94	54	Minimum Safe - Essential Site Infrastructure Maintenance	9150	11879	9201	417995	H	H	M			Y	Overlay/chip seal of roads, septic system replacements for non-compliant systems, telecommunications and water replacement equipment.
70	Landlord	Knollmeyer	McGinley	TP13	57	95	55	Minimum Safe - Surveillance, Maint., and Deactivation, of Veca	2210	1871	6745	424741	H	H	H			Y	S&M, deactivation, and demolition of equipment and GPFs
60	FT	Knollmeyer	Olguin	TP12	58	123	55	Transition Project Management	10303	9272	10177	434918	M	M	M				Provide centralized program/project management to plan, execute and control the Facility Stabilization baseline.
60	Waste Mgmt	Hansen	Mattsson	WM02	55	54	57	CANISTER STORAGE BLDG. MIN SAFE				434918	M	M	M	Y			Provides for the operations and maintenance beginning in FY 2002 of the Canister Storage Building (CSB) after the design, construction and placement of fuel in the CSB by SNF and the hot conditioning process of the spent nuclear fuel.
								Min-Safe Subtotal:	476755	464502	434918								

Hanford FY 1999 Integrated Priority List - "What are we Buying?"

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70	RL Directed	Murphy	N/A	OT04	61	58	58	Emergency Preparedness Grant	700	700	700	435618							grant to State of Wash
70	RL Directed	Murphy	N/A	OT04	62	59	59	State of Oregon Hanford Oversite	543	543	543	436161							grant to Oregon
70	RL Directed	Murphy	N/A	OT04	63A	63	60	RCRA Mixed Waste Fee	3800	3900	3900	440061				Y		Y	payment of fees to Washington Department of Ecology
70	RL Directed	Murphy	N/A	OT04	64	64	61	DOH Oversite/surveillance	411	411	411	440472				Y		Y	Washington Department of Health surveillance grant
70	RL Directed	Murphy	N/A	OT04	65A	65	62	Downwinder Litigation	5611	6000	6000	446472						Y	payment of costs associatied with class action down winder litigation
70	RL Directed	Murphy	N/A	OT04	66	66	63	Air Emissions Monitoring Payment,etc	1689	1890	1890	448362				Y		Y	payment of fees to State of Washington
70	RL Directed	Murphy	N/A	OT04	67	67	64	Payment in Lieu of Taxes	2548	5200	5000	453362						Y	Payment in lieu of taxes to Benton, Franklin and Grant counties
70	RL Directed	Murphy	Aichele	OT04	68	68	65	Declassification of Hanford Documents	1975	2000	2000	455362				Y		Y	declassification of documents
70	RL Directed	Murphy	N/A	OT04	68.1	N/A	66	Hanford Thyroid Study/HAB/misc grants	2937	2470	2400	457762				Y		Y	Thyroid Study, additional grant to HAB & grants under negotiation
70	RL Directed	Murphy	N/A	OT04	267	67	67	Hanford Health Information Network	2000			457762						Y	operations of Hanford Health Information Network (under negotiation)
70	RL Directed	Murphy	N/A	OT04	268	67	68	Site Wide Assessments (EM-70)	2851			457762							required payments for miscellaneous activities
30	RL Directed	Murphy	N/A	OT04	269	67	69	Site Wide Assessments (EM-30)	4443			457762							required payments for miscellaneous activities
70	RL Directed	Murphy	N/A	OT04	70	N/A	70	WHC contract closeout	3896	4000	2000	459762							Westinghouse Hanford Company contract closeout costs
					263		71	Indirect Reduction Target		-36000	-54400	405362							These indirect reduction targets are currently not planned. If these targets cannot be met and are passed onto the Projects, the schedule will be impacted and the Total Project Cost (TPC) will increase.
40	ER	Bauer	M.C. Hughes	ER05	50	48	72	233 S D&D	2570	4000	3506	409168	L	H	M	Y			D&D of 233-S Facility
40	ER	Bauer	M.C. Hughes	ER06	52	48	73	100 AREA C REACTOR ISS	4663	5950		409168	M	H	M	Y			Completion of C Reactor ISS
60	FT	Knollmeyer	Olguin	TP01	64	24	74	B-Plant Deactivation	9862	10850	3675	412843	L	M	M	Y			Complete B Plant deactivation and transition to minimal S&M mode.
60	FT	Knollmeyer	Olguin	TP07	68	36	75	IAEA Support	687	682	718	413561							Provide IAEA support.
60	FT	Knollmeyer	Olguin	TP02	78	15	76	WESF Stand-alone Mods	2479	4271	3371	416932	H	H	H	Y			Provide required upgrades to maintain WESF.
30	FT	Knollmeyer	Olguin	TP08	129	101	77	B-Cell Cleanout	4664	12775	13428	430360	H	H	H	Y			Provides removal of 3 million curies in support of TPA milestone M-89-02.
30	FT	Knollmeyer	Olguin	TP08	74	14	78	CsCl Legacy Safety Program	1058	993	1375	431735	H	H	H	Y			Provides removal of CsCl legacy material from the 300 Area.
30	FT	Knollmeyer	Olguin	TP08	75	14	79	327 Legacy Fuel Removal	1196	1298	200	431935	H	H	H	Y			Provides consolidation and disposal of fuel material from the 300 Area.
30	FT	Knollmeyer	Olguin	TP08	76	14	80	324/327 Deactivation	263		1784	433719	H	H	H	Y			Provides planning in support of 324/327, facility characterization and final S&M plans.
60	FT	Knollmeyer	Olguin	TP02	79	15	81	CsCl Legacy Return	1262			433719	L	M	L	Y			Complete the CsCl legacy return program.
60	FT	Knollmeyer	Olguin	TP07	71	1	82	PFP Infrastructure	12600	14206	17927	451648	M	H	M	Y			Provides corrective maintenance, power & radiation surveillances, procedures and project management, necessary for support of plant projects and occupancy.
60	FT	Knollmeyer	Olguin	TP11	80	17	83	FFTF Deactivation	11850	4840		451648	L	M	M	Y			Place fuel in dry storage; drain 260,000 gallons of sodium into the SSF; place plant systems in layup for transfer to the ERC.
30	Waste Mgmt	Hansen	Mattsson	WM05	82	20	84	W087 Rad Waste Transfer	406			451648	L	H	M			Y	Expense support (project management, QA, etc.) to Radioactive waste transfer line project.
30	Waste Mgmt	Hansen	Mattsson	WM06	166	125	85	W178 219-S Containment	115	3008	508	452154	L	H	M			Y	Analytical Services portion of TPA Milestone M-32 connecting the tanks in 219-S to the transfer pipeline in Project W-087, Radioactive Waste Transfer Line. Complies with TPA, federal and state regulations, and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM04	165	124	86	SECONDARY CONTAINMENT W-259 (T-Plant)	4691	5486	617	452771		L		Y			Provides for the construction of a double contained waste collection system for the 2706 -T Decontamination Facility operations.
60	FT	Knollmeyer	Olguin	TP05	72	1	87	PFP Stabilization	18169	15235	13931	466702	M	H	M	Y	Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone.
30	Waste Mgmt	Hansen	Mattsson	WM05	182	147	88	W-252 Phase II Streams	1915			466702						Y	Supports the 10/97 implemenistion of BAT/AKART for the 200 Area Phase II Streams. This workscope is required by TPA Milestone M-17-00B.
30	TWRS	Kinzer	Umek	TW03	86	29	89	TWRS AS-BUILT DRAWINGS	5100	6000	6000	472702	H	H	H			Y	Revise drawings and labeling program, field verify AW Farm essential P&IDs, produce single system O&M drawings, assign unique equipment ID numbers, develop and implement Master Equipment List and label equipment/components.
30	TWRS	Kinzer	Umek	TW03	87	29	90	TWRS TANK FARM VENTILATION UPGRADES (W-030)	4718			472702							
60	FT	Knollmeyer	Olguin	TP05	73A	1	91	PFP Deactivation	1414		4145	476847	M	H	M	Y			Provide for cleanup transition activities and turnover of PFP facilities, except for the [illegible] to EM-40

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30	Waste Mgmt	Hansen	Mattsson	WM06	85	28	92	Laboratory Sample Management Activities	2455	1672	1321	478168	L	L	L				Provide general analytical chemistry services for samples less than 1 mR/hr to support cleanup operations.
40	ER	Bauer	M.C. Hughes	ER05	90	51	93	FACILITY TRANSITION SUPPORT	750	750	750	476918	M	H	M	Y			ER support for facility transition activities
40	ER	Bauer	M.C. Hughes	ER10	91	60	94	RL PROGRAM MANAGEMENT AND SUPPORT	7020	6000	5345	484263				Y			Management and oversight, also CERCLA grants to WDOE
70	HAMMER	Otero	Pilon	HM01	92	71	95	HAMMER	13486	5053	4934	489197	M	H	H			Y	Operate/maintain permanent HAMMER facility to include; hosting/facilitating hands-on training in four product lines, operation/maintenance of facilities/props; scheduling, QA/QC, administration and program management.
70	Mis. Support	Rasmussen	Adair	OT01	93	73	96	Hanford Environmental Management Program - HEMP	6860	6500	7000	496197	L	L	L			Y	Develop and implement strategies that support compliance with specific environmental requirements and agreements that crosscut missions/programs.
70	Mis. Support	Rasmussen	Bryce	OT01	94	73	97	HANFORD RESOURCE PROTECTION REG COMPLIANCE	1490	1450	1538	497735	L	M	U	Y			Protects endangered species, archaeological resources/historic properties; 100/200 Area NEPA compliance
60	SNF	Hansen	Williams	WM01	95	74	98	Move the Fuel Away from the River	76502	94614	77142	574877	U	H	U	Y	Y		Provides for fuel, sludge, and debris removal from the K Basins on the Columbia River to dry storage in the 200 Area; acquires multi-canister overpacks and cask/transport system for SNF transport and storage and K Basin upgrades supporting fuel removal
60	SNF	Hansen	Williams	WM01	96	75	99	Canister Storage Building	65930	14216	8323	583200	H	M	M	Y	Y		Provides for design and construction of the CSB in the 200 Area, including the MCO Handling machine, and hot conditioning annex building; provides for operation of the CSB through FY 2001 when all K Basin fuel will be in dry interim storage
60	SNF	Hansen	Williams	WM01	97	76	100	Fuel Conditioning Facilities	18289	18969	7283	590483	H	M	M	Y	Y		Acquires and operates Cold Vacuum Drying facilty in the 100 Area to enable safe transport of K Basins SNF to the CSB for staging; acquires equipment and operates the Hot Conditioning System within the CSB to enable safe interim storage for
60	SNF	Hansen	Williams	WM01	98	77	101	Disposition Other Hanford Fuel	623	389	3026	593509	M	H	M	Y	Y		Provides for management, including operations of non-K Basins SNF at 200 & 400 ISAs; acquires 200 Area ISA and T Plant casks; transfers other SNF to 200 Area ISA/CSB for storage & Na-bonded fuel to INEL for treatment; integrates with complex-wide actions
30	TWRS	Kinzer	Umek	TW01	101	80	102	TWRS WASTE CHARACTERIZTN (93-5 commitment support)	1296	1250	1287	594796	M	M	M		Y		Provide support to Tank Farm Operational Requirements; includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling.
30	TWRS	Kinzer	Umek	TW03	120	90	103	TWRS CROSS SITE TRANSFER SYSTEM (W-058) (W)	25914	549		594796							
30	TWRS	Kinzer	Umek	TW01	105	135	104	TWRS WASTE CHARACTERIZTN (ORGANICS SUPPORT)	27459	29510	28544	623640	M	M	M		Y		Provide support to the Organics Program; includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
30	TWRS	Kinzer	Umek	TW02	178	135	105	TWRS ORGANIC MOISTURE MONITORING		5986	3012	626652	M	M	M				Provide a SMMS to be operated in 6 tanks in FY98 and 11 tanks in FY99. Additional deployment equipment completed in FY98 and a decon system completed in FY99. Moisture addition/control evaluated in FY98 and implemented in FY99.
30	TWRS	Kinzer	Umek	TW03	121A	90	106	TWRS VADOSE DRILLING ZONE / MAPPING	4000	4000	4000	630652							
30	TWRS	Kinzer	Umek	TW01	171	132	107	Characterization (Support to 93-5 Commitments)	3077	3000	3090	633742	M	M	M		Y		Provide support to the 93-5 commitment 5.6.3.X resolution; includes planning, technical basis, engineering, sample collection and sample analysis for core sampling
30	TWRS	Kinzer	Umek	TW03	99	79	108	TWRS 200 EAST SST CONTROL, CLEAN, & STABLE		1000	1300	635042	L	M	M			Y	Tank Farm Configuration Upgrades; operating envelope defined and implemented, surface contamination cleanup, and abandoned equipment removal
40	ER	Bauer	M.C. Hughes	ER10	143	111	109	PROGRAM MANAGEMENT & SUPPORT	37919	27869	26449	651491				Y			Safety,QA,Reg Compl.,Data Mgmt,Engr. Plan. for Min Safe
40	ER	Bauer	M.C. Hughes	ER06	133	105	110	200 ZP GW REMEDIAL ACTION	3051	2659	2736	654227	L	L	H	Y			Treatment of 1.38 liters of groundwater
70	Landlord	Knollmeyer	McGinley	TP13	106	95	111	Disposition of Vacant GPFs			2000	656227	H	H	H			Y	Demolition of equipment and General Purpose Facilities

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30	Waste Mgmt	Hansen	Mattsson	WM05	163	121	112	200 LEF Operations	7044	6524	6906	673133	M	M	H	Y			Provides for safe, cost effective and environmentally compliant operations of the 200 Area ETF for treatment of 242-A Evaporator and non-Evaporator feeds and of the 242-A Evaporator for reduction of waste volume in DSTs. Supports RCRA, CERCLA, other Stat
30	TWRS	Kinzer	Umek	TW03	100	79	113	TWRS 200 WEST SST CONTROL, CLEAN, & STABLE	1016	4999	6246	679379	L	M	M			Y	Tank Farm Configuration Upgrades, Operating Envelope defined and implemented, Surface contamination clean up and abandoned equipment removal.
30	TWRS	Kinzer	Umek	TW03	170	131	114	TWRS TANK FARM INTEGRITY ASSESSMENT (EAST)	1700	1700	1700	681079	M	L	H			Y	
30	TWRS	Kinzer	Umek	TW01	102	80	115	TWRS WASTE CHARACTERIZATION-TWAPS/TCR DEVT (M-	3961	2350	2420	683499	M	M	M		Y		Provide for TWAP/TCR development;includes planning, technical basis, engineering, sample collection and sample analysis for support to the technical basis program.
30	TWRS	Kinzer	Umek	TW04	113	84	116	TWRS DST WASTE RETRIEVAL	3189	5131	7478	690977	M	M	M			Y	Management, planning, and systems definition for the initial DST retrieval system and privatization feed staging.
30	TWRS	Kinzer	Umek	TW04	112	83	117	TWRS INITIAL TK RETRIEVAL SYS (ITRS) DST (W-211)	16222	17271	16268	707245	M	M	M			Y	Install 2 mixer pumps and related systems in 10 DSTs.
30	TWRS	Kinzer	Umek	TW06	118	89	118	TWRS PRIVATIZATION INFRASTRUCTURE (PHASE I)	2095	2600	15999	723244	L	L	L			Y	Provides the site infrastructure required by two privatization contractors.
30	Reg. Unit	Sheridan	Umek	RG01	103	81	119	TWRS RADIOLOGICAL NUCLEAR SAFETY OVERSIGHT	4600	4590	4456	727700	M	M	M		Y		Independent safety regulation (radiological, Nuclear, and process safety) of the TWRS Privatization Contractor.
30	TWRS	Kinzer	Umek	TW06	104	82	120	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH	5272	5000	7400	735100						Y	Provide program management support to the Waste Disposal Division
30	TWRS	Kinzer	Umek	TW06	114	87	121	TWRS LAW SUPPORT PHASE 1	3389	2998	3521	738621						Y	Establish LLW feed specifications and feed staging plans, work with the vendros to study Vendor/PNMC interface issues and define Interface Control Documents, provide feed sample and analysis for vendor product development and dispose of resulting wastes.
30	TWRS	Kinzer	Umek	TW09	115	88	122	TWRS LAW STORAGE/DISPOSAL	3529	4598	8043	746684	H	M	M			Y	Receive ILAW from private suppliers of treatment services under contract to the DOE and provide for interim storage, disposal, closure and monitoring of accepted waste.
30	TWRS	Kinzer	Umek	TW04	177	88	123	TWRS SST WASTE RETRIEVAL (INCL. PUMPING 106-C IN F	15525	2732	12044	758706	M	M	M			Y	Remove and transfer waste from 36 SSTs to resolve safety issues, provide feed for disposal operations, and to allow tank closure.
30	TWRS	Kinzer	Umek	TW03	169A	129	124	TWRS TF RES & SAFE OPS (W-314)	11300	15187	12000	770706						Y	Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquisition/analysis systems as needed to impro
60	FT	Knollmeyer	Olguin	TP06	122A	93	125	Project W-460, Plutonium Stabilization & Handling (PuSH)	1000	8875	22628	793336	M	H	M	Y	Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone.
70	Landlord	Knollmeyer	McGinley	TP13	123	95	126	Disposition of Vacant GPFs	1536	1250	4054	797390	H	H	H			Y	Demolition of equipment and General Purpose Facilities
30	TWRS	Kinzer	Umek	TW05	168	82	127	TWRS HIGH-LEVEL WASTE SUPPORT (M-51) PHASE 1	1249	2150	3634	801024						Y	Provides the TWRS PHMC support to the Phase 1 HLW Privatization effort that is over and above that work needed to support Phase 1 LLW Privatization
70	Mis. Support	Rasmussen	Bryce	OT01	125	97	128	SITEWIDE HISTORIC BUILDINGS MITIGATION	350		350	801374						Y	Reduced cost approach to documenting bldgs prior to decontamination and demolition
70	Mis. Support	Higgins	Brennan/Slate	OT01	126A	98	129	Site Planning & Integration Project	5667	6000	6000	807374						Y	Direction & coordination of Site Baseline preparation, annual site budget submittal, monthly performance reporting.
70	Mis. Support	Knollmeyer	Brennan	OT01	127A	99	130	Site System Engineering	1750	750	750	808124	M	M	M				Provide site-wide Systems Engineering support necessary for development and maintenance of the Integrated Site Technical Baseline.
30	SCI & TECH	Rossell	Fulton	ST01	128	100	131	PNNL WASTE OPER. & MGMT - CURRENT GENERATION	5712	8072	7044	815168	M	H	H	Y			Provides mgmt and disposal of PNNL wastes; provide effluent management
30	FT	Knollmeyer	Olguin	TP06	77	15	132	324/327 Risk Reduction	320	600		815168				Y			Provides SAR upgrades, 324 vulnerability assessment and Fire Hazards Analysis.
40	ER	Bauer	M.C. Hughes	ER05	131	103	133	100 HR GW REMEDIAL ACTION	3422	3080	3426	818594	L	L	H	Y			Treatment of 880M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER06	132	104	134	100 KR GW REMEDIAL ACTION	2442	3069	3402	821996	L	L	H	Y			Treatment of 600M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER06	130	102	135	100 NR GW REMEDIAL ACTION	2799	1000	1506	823502	L	L	H	Y			Treatment of 300M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER06	134	106	136	200 UP GW REMEDIAL ACTION	1615	609	510	824012	L	L	H	Y			Treatment of 95M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER06	135	106	137	200 PO GW REMEDIAL ACTION				824012	L	L	H	Y			

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60	FT	Knollmeyer	Olguin	TP11	172	133	174	NE Legacy Deactivation	1199	1185	1312	914818	H	H	M	Y			Provide NE Legacy sodium system disposition and complete NE RCRA closure.
60	FT	Knollmeyer	Olguin	TP11	173	133	175	Sodium Storage Facility (FY 1997 only)	117			914818		L		Y			Complete construction and turnover (FY 1997).
60	FT	Knollmeyer	Olguin	TP11	174A	133	176	Sodium Reaction Facility	33			914818				Y			Commence FDC/CDR in FY 1999; construct facility and operate to dispose of FFTF sodium.
60	FT	Knollmeyer	Olguin	TP11	175A	133	177	SSF and SRF Deactivation				914818				Y			Clean out and deactivate SSF & SRF after mission is complete.
30	TWRS	Kinzer	Umek	TW06	140	82	178	TWRS HLW SUPPORT PHASE II				914818							
30	TWRS	Kinzer	Umek	TW07	156	82	179	TWRS PRIVATIZATION VENDOR OPERATIONS (PHASE II)				914818							
30	TWRS	Kinzer	Umek	TW09	203	217	180	TWRS CESIUM & STRONTIUM CAPSULE DISPOSITION	128	128	128	914946	M	M	L			Y	Recommend to RL preferred method for processing capsules for their disposal as HLW in the geologic repository. Trade studies and possibly an EM-50 funded process demonstration will be performed prior to issuance of the Phase II RFP.
30	TWRS	Kinzer	Umek	TW04	192	173	181	TWRS TANK FARM CLOSURE	252	436	412	915358	L	L	M			Y	Management, planning, and systems definition including a regulatory required closure work plan, performance assessment, and required field testing for a tank farm operable unit closure demonstration, completion of SST closure, completion of DST closure.
30	TWRS	Kinzer	Umek	TW05	110	82	182	TWRS DISPOSAL RISK REDUCTION (ALT PATH)	267	1800		915358							
30	Waste Mgmt	Hansen	Mattsson	WM04	183A	164	183	TRU RETRIEVAL PH. I, W-113		808		915358	H	H	H	Y			Provides Phase I retrieval of TRU waste from one underground trench for continuous processing within WRAP 1; in compliance with the Hanford EIS ROD to permit final closure of the Burial Grounds. Remove half of the plutonium inventory of post 1970 TRU.
30	Waste Mgmt	Hansen	Mattsson	WM04	187	127	184	2706-T DECONTAMINATION OPERATIONS	2528	1609	1870	917228		M		Y			Provides decontamination and waste verification activities. Services include low-dose beta-gamma decontamination and waste verification in the 2706-T/TA facility.
30	Waste Mgmt	Hansen	Mattsson	WM08	83	20	185	Laboratory Facility Life Extension	1351		2672	920100	L	L	L			Y	222-S Laboratory upgrades required for capability and capacity to respond to programmatic sample analysis requests. Complies with federal and state regulations, and DOE orders.
30	TWRS	Kinzer	Umek	TW02	204	217	186	TWRS FLAMMABLE GAS ADDIT'L MONITORING UPGRADES		5000	2000	922100	M	M	M			Y	SHMS for 10 tanks in FY99, in-tank cameras for 2 DSTs in FY98 and FY99, additional DST flow meters in FY98/FY99, and NFPA ventilation upgrades.
30	Waste Mgmt	Hansen	Mattsson	WM08	200	212	187	Laboratory Consolidation	594		1000	923100	L	L	L			Y	Transitioning of analytical operations from decentralized labs to either on-site or commercial laboratories.
60	FT	Knollmeyer	Olguin	TP04	190	169	188	300 Area Shutdown (313 Building)	878	871	3111	926211	L	M	H	Y			Provides for 300 Area Fuel Supply shutdown and 313S Building Isolation
30	Waste Mgmt	Hansen	Mattsson	WM03	201	212	189	CWC / LLBG OPERATIONS	1011		687	926878		L		Y			Provides radioactive surface area reduction and deep trench development and excavation. The stabilization of numerous trench areas with the 200 West Area Low Level Burial Grounds is also provided.
60	FT	Knollmeyer	Olguin	TP11	188	167	190	309/PRTR Deactivation	1278	1362	1200	928078	H	H	H	Y			Complete cleanout and stabilization; turnover to ERC.
30	Waste Mgmt	Hansen	Mattsson	WM05	197	207	191	340 Deactivation/Shutdown	200		642	928720	L	M	L			Y	Supports activities required for the safe and efficient closeout of the 340 Waste Handling Facility. Supports TPA, RCRA CAA and other state/federal requirements.
60	FT	Knollmeyer	Olguin	TP10	186A	170	192	Accelerated Deactivation Projects				928720	L	M	L	Y			Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.
40	ER	Bauer	M.C. Hughes	ER02	160	120	193	200 IU REMEDIAL ACTION - ASSESSMENT				928720	L	M	H	Y			Initiate 200 Area assessment
30	TWRS	Kinzer	Umek	TW02	179	135	194	TWRS PUMP & DISPOSE C-103 ORGANIC LAYER				928720							
60	FT	Knollmeyer	Olguin	TP09	202	215	195	K Basin Deactivation			500	929220	M	M	M	Y			Provides for initial planning for K Basin deactivation.
30	Waste Mgmt	Hansen	Mattsson	WM04	185A	163	196	Phase II TRU Retrieval W-211				929220	H	H	H	Y			TRU Retrieval Phase II (W-221) provides for the retrieval of remote handled (RH) TRU waste twenty five underground tranches for continuous processing within WRAP 1.
30	Waste Mgmt	Hansen	Mattsson	WM04	189A	163	197	Caisson Retrieval W-155				929220	H	H	H	Y			The Caisson Retrieval Project (W-156) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons in the 200 West Area.
60	FT	Knollmeyer	Olguin	TP11	196A	167	198	FMEF Deactivation				929220		L		Y			Provides for FMEF deactivation.

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30	Waste Mgmt	Hansen	Mattsson	WM04	187A	127	199	Remote-Handled Waste Treatment (M-91)	1130			929220		M		Y			Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T-Plant.
30	Waste Mgmt	Hansen	Mattsson	WM04	89A	42	200	T Plant Canyon Operations	3277	4000		929220		M				Y	Base funds some customers request decontamination activity
30	Waste Mgmt	Hansen	Mattsson	WM06	196	207	201	W367 222-S Ancillary Upgrades			87	929307		L					Provide additional manipulator repair stations capability, cleaning, equipment decon, and laundry space for 222-S
30	Waste Mgmt	Hansen	Mattsson	WM06	199	207	202	Outyear Project Support				929307							Engineering studies, functional design criteria, and general plant projects required for capability and capacity to respond to programmatic sample analysis requirements.
30	Waste Mgmt	Hansen	Mattsson	WM03	195A	185	203	LLBG Closure				929307	M	M	M			Y	Provides the strategy development, finalization of design, and ultimate installation of final closure covers for the burial grounds in the 200 East and West Areas. TRU retrieval activities must be performed prior to burial ground cover installation (TRU
60	FT	Knollmeyer	Olguin	TP14	193A	155	204	HSF/300 Area Revitalization				929307	L	M	L	Y			Provides for initial planning for Hanford Surplus Facilities/300 Area Revitalization.
30	TWRS	Kinzer	Umek	TW03	184A	156	205	TWRS PROGRAM RESERVE		147		929307							Program reserve set-aside
30	TWRS	Kinzer	Umek	TW05	111	83	206	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH				929307							
60	Waste Mgmt	Hansen	Williams	WM01	261		207	K Basin Sludge Treatment				929307							For budgeting purposes, this activity reflects planning for sludge treatment and/or storage, starting in Fiscal Year 2001. Actual treatment and/or storage not included.
70	Landlord	Knollmeyer	McGinley	TP13	249B	166	208	Disposition of Vacant GPFs/Mortgage Reduction				929307	H	H	H				Increased building demolition activity for mortgage reduction
70	Landlord	Knollmeyer	McGinley	TP13	248B	165	209	Essential Site Infrastructure Maintenance				929307	H	H	M			Y	Road overlays/chip seals, records mgmt. equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
30	TWRS	Kinzer	Umek	TW04	244B	158	210	TWRS SST RETRIEVAL				929307							
30	SCI & TECH	Rossell	Fulton	STO1	227B	100	211	PNNL WASTE OPER & MGMT - LEGACY WASTE				929307	M	H	H			Y	Provides mgmt and disposal of PNNL legacy wastes
					262		212	Year 2000 Conversion Project / Legacy Software - Indirect		20000	20000	949307							Mods to Hanford computer systems, equipment and instruments
30	TWRS	Kinzer	Umek	TW06	264		213	TWRS Privats Vendor Utilities Phase I				949307							
70	Mis. Support	Higgins	Brennan	OT01	226	99	214	Site System Integration		1000	1000	950307							Site wide Systems Integration
60	FT	Knollmeyer	Olguin	TP10	265		215	FACILITY S&M EXTENSION (Accelerated Deactivation)				950307							
70	Mis. Support	Murphy	none	OT01	266		216	ROF		3892		950307							
								LOW SCENARIO Subtotal:	1091686	968200	950307								

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40	ER	Bauer	M.C. Hughes	ER06	36	32	217	GW MGT CERCLA/RCRA MONITORING & REPORTING				950307	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER10	91	60	218	RL PROGRAM MANAGEMENT AND SUPPORT				950307				Y			Management and Oversight
40	ER	Bauer	M.C. Hughes	ER03	148	114	219	300 FF SOURCE REMEDIAL ACTION			841	951148	M	M	H	Y			Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M.C. Hughes	ER06	106A	107	220	100 AREA REACTOR ISS		1700	8823	959971	M	H	M	Y			Required to maintain commitments for TPA
40	ER	Bauer	M.C. Hughes	ER01	152	118	221	100 NR SOURCE REMEDIAL ACTION			3336	963307	M	M	H	Y			Required to initiate remediation in accordance with the ROD
40	ER	Bauer	M.C. Hughes	ER02	191A	119	222	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION				963307	L	M	H	Y			Initiate 200 Area assessment
40	ER	Bauer	M.C. Hughes	ER06	161A	120	223	COL RIVER COMPREHENSIVE IMPACT ASSESS		1000	1000	964307	L	M	H	Y			Implement CRCIA recommendations
70	Mis. Support	Murphy	none	OT01	267		224	ROF / Mission Support Adjustment		-2700		964307							
30	Waste Mgmt	Hansen	Mattsson	WM04	89C	42	225	T Plant Canyon Operations				964307		M				Y	Canyon operation are paid for by customer organizations.
60	Waste Mgmt	Hansen	Williams	WM01	268		226	K Basin Sludge Treatment				964307							For budgeting purposes, this activity reflects planning for sludge treatment and/or storage, continuing into Fiscal Year @002. Actual treatment and/or storage is not included.
70	Landlord	Knollmeyer	McGinley	TP13	249C	166	227	Disposition of Vacant GPFs/Mortgage Reduction			3000	967307	H	H	H				Increased building demolition activity for mortgage reduction
70	Landlord	Knollmeyer	McGinley	TP13	248C	165	228	Essential Site Infrastructure Maintenance			8885	976192	H	H	M			Y	Road overlays/chip seals, records mgmt. equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
30	SCI & TECH	Rossell	Fulton	ST01	227B	100	229	PNNL WASTE OPER & MGMT - LEGACY WASTE			2000	978192	M	H	H			Y	Provides mgmt and disposal of PNNL legacy wastes
					269		230	Indirect Reduction Target			11400	989592							These indirect reduction targets are currently not planned. If these targets cannot be met and are passed onto the Projects, the schedule will be impacted and the Total Project Cost (TPC) will increase.
70	Mis. Support	Higgins	none	OT01	126A	96	231	Site Planning & Integration Project				989592						Y	Direction & coordination of Site Baseline preparation, annual site budget submittal, monthly performance reporting.
30	TWRS	Kinzer	Umek	TW03	169B	129	232	TWRS TF RES & SAFE OPS (W-314)				989592							Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquistion/analysis systems as needed to impro
30	Waste Mgmt	Hansen	Mattsson	WM04	270		233	Sodium Treatment			6000	995592					M		Provides for the commercial treatment of the radioactive sodium metal which will enable the early decommissioning of two storage building.
70	Landlord	Knollmeyer	McGinley	TP13	271		234	FACILITY S&M EXTENSION				995592							
30	Waste Mgmt	Hansen	Mattsson	WM04	109B	122	235	RMW TREATMENT / DISPOSAL			10000	1005592	L	L	L	Y			Provides for a two year delay in several mixed waste treatment and disposal activities as defined under TPA milestone M-91. Storage capacity within the Central Waste Complex will not be reduced and activities to enable direct disposal will be curtailed.
30	Waste Mgmt	Hansen	Mattsson	WM04	194B	157	236	WRAP OPERATIONS			1800	1007392	H	H	H	Y			Provides a two year delay in TRU operations within WRAP-1 facility. This delays fulfillment of TPA milestone M-91 requirements and shipping of 50% of packaged TRU waste to WIPP will not be possible.
30	Waste Mgmt	Hansen	Mattsson	WM04	183B	164	237	TRU RETRIEVAL PH. I, W-113			17902	1025294	H	H	H	Y			Provides for a two year delay in the initial retrieval of buried TRU waste containers from one underground trench. Delays fulfillment of TPA M-91 milestone requirements. Buried TRU containers will continue to degrade which makes future efforts more cos
30	Waste Mgmt	Hansen	Mattsson	WM04	185B	163	238	Phase II TRU Retrieval W-211			1826	1027120	H	H	H	Y			Provides for a two year delay in the initial retrieval of buried TRU waste containers within 25 underground trench. Delays fulfillment of TPA M-91 milestone requirements. Buried TRU containers will continue to degrade which makes future efforts more cos
60	FT	Knollmeyer	Olguin	TP10	186B	170	239	Accelerated Deactivation Projects			3840	1030960	L	M	L	Y			Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.
30	Waste Mgmt	Hansen	Mattsson	WM04	187C	127	240	Remote-Handled Waste Treatment (M-91)				1030960		M		Y			Provides for no high-dose and dual survey (beta-gamma and alpha) decontamination services and T Plant canyon transition activities. Impacts waste tank characterization activities and increases disposal costs to other projects.

Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
30	Waste Mgmt	Hansen	Mattsson	WM04	189C	163	241	Caisson Retrieval W-156				1030960	H	H	H	Y			Delays retrieval of TRU wastes stored in four underground caissons, project W-156. This will increase the risk of soil or ultimate ground water contamination.
60	FT	Knollmeyer	Olguin	TP14	193C	155	242	HSF/300 Area Revitalization			4500	1035460	L	M	L	Y			Provides for initial planning for Hanford Surplus Facilities/300 Area Revitalization.
30	Waste Mgmt	Hansen	Mattsson	WM03	195C	185	243	LLBG Closure				1035460	M	M	M			Y	Delays the planning for closure of the Low Level Burial grounds in accordance with Washington Administration Code 173-303 for eight years. Potential increase in risk of ground water contamination.
								HIGH SCENARIO Subtotal:	1091686	968200	1035460								
40	ER	Bauer	M.C. Hughes	ER08	36	32	244	GW MGT CERCLA/RCRA MONITORING & REPORTING	591	2000	2000	1037460	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER03	148	114	245	300 FF SOURCE REMEDIAL ACTION	6516	1357		1037460	M	M	H	Y			Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M.C. Hughes	ER05	106A	107	246	100 AREA REACTOR ISS		4694		1037460	M	H	M	Y			Required to maintain commitments for TPA
40	ER	Bauer	M.C. Hughes	ER01	152	118	247	100 NR SOURCE REMEDIAL ACTION	392	410	2464	1039924	M	M	H	Y			Required to initiate remediation in accordance with the ROD
30	Waste Mgmt	Hansen	Mattsson	WM04	187B	127	248	Remote-Handled Waste Treatment (M-91)			10150	1050074		M		Y			Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T-Plant.
30	TWRS	Kinzer	Umek	TW04	204.1	83	249	TWRS INITIAL DST RETRIEVAL W-211		3926	15640	1065714	M	M	M	Y			To install two mixer pumps and related systems in ten DSTs on a path to support privatization.
30	TWRS	Kinzer	Umek	TW03	204.2	129	250	TWRS TR RES & SAFE OPS (W-314)		5000	14000	1079714	M	M	M	Y			Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquistion/analysis systems as needed to impro
30	TWRS	Kinzer	Umek	TW01	240	132	251	TANK WASTE CHARACTERIZATION - RECOVER TPA (CHAR		44000	45000	1124714				Y			
30	FT	Knollmeyer	Olguin	TP05	229	101	252	B-Cell Cleanout	1247	3103		1124714				Y			Provides removal of 3 million curies in support of TPA milestone M-89-02.
30	TWRS	Kinzer	Umek	TW01	234	135	253	TWRS CHAR'ZN CREW CONTINUITY & STD SCHED. RECOV			1415	1126129				Y			
30	TWRS	Kinzer	Umek	TW03	235	131	254	MARKING/MAPPING UNDERGROUND LINES 200E/W		1500		1126129				Y			
30	TWRS	Kinzer	Umek	TW05	211	89	255	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH		2800		1126129				Y			
30	TWRS	Kinzer	Umek	TW09	220	88	256	TWRS ILAW STORAGE/DISPOSAL		3864	540	1126669				Y			
70	Mis. Support	Rasmussen	Bryce	OT01	223	97	257	SITEWIDE HISTORIC BUILDINGS MITIGATION	297	461	45	1126714						Y	Reduced cost approach to documenting bldgs prior to decontamination and demolition (National Historic Preservation Act).
30	TWRS	Kinzer	Umek	TW05	216	83	258	TWRS LAW SUPPORT PHASE II			869	1127583				Y			
30	TWRS	Kinzer	Umek	TW05	217	83	259	TWRS HLW SUPPORT PHASE II			1516	1129099				Y			
30	TWRS	Kinzer	Umek	TW04	253	173	260	TWRS TANK FARM CLOSURE		387	242	1129341				Y			
40	ER	Bauer	M.C. Hughes	ER02	191A	119	261	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789	500	4260	1133601	L	M	H	Y			Initiate 200 Area assessment
								Compliance Level I (FY1998-FY1999)	1101518	1062202	1133601								

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Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
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30	Waste Mgmt	Hansen	Mattsson	WM04	189B	163	262	Caisson Retrieval			461	1134062	H	H	H	Y			The Caisson Retrieval Project (W-154) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons in the 200 West Area.
30	TWRS	Kinzer	Umek	TW05	237	134	263	TWRS IHLW - STORAGE				1134062				Y			
30	TWRS	Kinzer	Umek	TW04	244A	158	264	TWRS SST RETRIEVAL				1134062				Y			
30	TWRS	Kinzer	Umek	TW05	252	177	265	TWRS HLW PHASE I				1134062				Y			
30	SCI & TECH	Rossell	Fulton	STO1	228	100	266	PNNL WMOC: COMPLIANCE OVERSIGHT & SUPPORT	992	622	351	1134413				Y			Provides compliance with 10 CFR 834; RCRA / P2 enhanced compliance
30	FT	Knollmeyer	Olguin	TP08	205	14	267	324/327 Deactivation		1900		1134413				Y			Provides planning in support of 324/327, facility characterization and final S&M plans.
70	Mis. Support	Rasmussen	Adair	OT01	232	126	268	HANFORD ENVIRONMENTAL MONITORING	417	324	100	1134513				Y			Measures/assesses Hanford Reach contaminants and effects
30	TWRS	Kinzer	Umek	TW05	215	83	269	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH				1134513				Y			
30	TWRS	Kinzer	Umek	TW09	219	88	270	TWRS CESIUM & STRONTIUM CAPSULE DISPOSITION			330	1134843				Y			
70	Mis. Support	Rasmussen	Bryce	OT01	242	149	271	HANFORD ECOSYSTEM REG COMPLIANCE	210	215	221	1135064		M	U	Y			300/1100 Area NEPA compliance; bio resources mgmt data
30	Waste Mgmt	Hansen	Mattsson	WM06	207	20	272	Laboratory Facility Life Extension		2868		1135064				Y			222-S Laboratory upgrades required for capability and capacity to respond to programmatic sample analysis. Complies with federal and state regulations, and DOE orders.
60	FT	Knollmeyer	Olguin	TP06	222	93	273	Project W-460, Plutonium Stabilization & Handling (PuSH)		2800		1135064					Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone
								Compliance Level II (FY2000-FY2006)	1103137	1070931	1135064								
30	TWRS	Kinzer	Umek	TW04	209	84	274	TWRS DST WASTE RETRIEVAL				1135064				Y			
70	Mis. Support	Rasmussen	Bryce	OT01	243	150	275	NHPA 110 COMPLIANCE / WANAPUM TRIBE PARTICIPATIO		181	82	1135146						Y	Proactive assessment of cultural properties; Wanapum involvement
								Compliance Level III (FY2006-Beyond)	1103137	1071112	1135146								
70	HAMMER	Olleo	Pilon	HM01	208	71	276	Impt. Eval, Continuous Improvement, Ed. and Training Program			850		M	H	H			Y	Operate the Learning Resource Center
30	Waste Mgmt	Hansen	Mattsson	WM04	230	122	277	RMW TREATMENT / DISPOSAL		5000									Continues activities related to nonthermal treatment
30	TWRS	Kinzer	Umek	TW02	236	135	278	TWRS PUMP & DISPOSE C-103 ORGANIC LAYER		2485	1128								
60	FT	Knollmeyer	Olguin	TP04	250	169	279	300 Area Shutdown		2665									Provides for 300 Area Fuel Supply shutdown and 313S Building Isolation.
70	Mis. Support	Higgins	Brennan	OT01	224	98	280	Site Planning & Integration Project		689									
30	SCI & TECH	Rossell	Fulton	STO1	227A	100	281	PNNL WASTE OPER & MGMT - LEGACY WASTE	1137	3947	526		M	H	H				Provides mgmt and disposal of PNNL legacy wastes
30	Waste Mgmt	Hansen	Mattsson	WM06	206	20	282	222-S Operations		1995									
30	Waste Mgmt	Hansen	Mattsson	WM04	254	187	283	WRAP OPERATIONS		2483									
30	Waste Mgmt	Hansen	Mattsson	WM03	233	127	284	T PLANT CANYON OPERATIONS		9037				M					Canyon operations are paid for by customer organizations.
30	Waste Mgmt	Hansen	Mattsson	WM06	255	212	285	Laboratory Consolidation		2000									
30	Waste Mgmt	Hansen	Mattsson	WM03	256	212	286	CWC / LLBG OPERATIONS		650									
70	Landlord	Knollmeyer	McGinley	TP13	248A	165	287	Unfunded - Essential Site Infrastructure Maintenance		20463	18716		H	H	M				Road overlays/chip seals, records mgmt. equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
70	Landlord	Knollmeyer	McGinley	TP13	249A	166	288	Unfunded - Disposition of Vacant GPFs/Mortgage Reduction		4980			H	H	H				Increased building demolition activity for mortgage reduction
60	FT	Knollmeyer	Olguin	TP09	260	215	289	K Basin Deactivation		250									Provides for initial planning for K Basin deactivation.
60	FT	Knollmeyer	Olguin	TP10	251	170	290	Accelerated Deactivation Projects		1311									Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.

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30	Waste Mgmt	Hansen	Mattsson	WM04	231	122	291	RMW TREATMENT / DISPOSAL		4068									Provides additional nonthermal treatment
30	Waste Mgmt	Hansen	Mattsson	WM04	246	163	292	Phase II TRU Retrieval		719									
30	Waste Mgmt	Hansen	Mattsson	WM04	247	163	293	Caisson Retrieval		199									
30	Waste Mgmt	Hansen	Mattsson	WM05	258	207	294	W367 222-S Ancillary Upgrades		85									
30	Waste Mgmt	Hansen	Mattsson	WM03	259	185	295	LLBG Closure		504									
								Additional Requirements Subtotal:	1104274	1134642	1156366								

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	TWRS																		
30	TWRS	Kinzer	Umek	TW03	3	3	3	TWRS 200 EAST DST MINIMUM SAFE OPERATIONS	29224	30813	30813	30813	H	H	H			Y	Operate all 200 East DST tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations
30	TWRS	Kinzer	Umek	TW03	4	4	4	TWRS (GPP)200 EAST DST MINIMUM SAFE OPERATIONS		1600		30813							
30	TWRS	Kinzer	Umek	TW03	5	5	5	TWRS 200 EAST SST MINIMUM SAFE OPERATIONS	13000	13015	12980	43793	H	H	H			Y	Operate all 200 East SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement.
30	TWRS	Kinzer	Umek	TW03	6	6	6	TWRS 200 WEST DST MINIMUM SAFE OPERATIONS	11222	11355	10295	54088	H	H	H			Y	Operate 200 West tank farm facilities by performing surveillance monitoring and routine operations and maintenance.
30	TWRS	Kinzer	Umek	TW03	7	6	7	TWRS W-058 START		1035		54088							
30	TWRS	Kinzer	Umek	TW03	8	7	8	TWRS 200 WEST SST MINIMUM SAFE OPERATIONS	13079	13151	9983	64071	H	H	H			Y	Operate all 200 West SST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations and the Tri-Party Agreement.
30	TWRS	Kinzer	Umek	TW01	9	7	9	TWRS WASTE CHARACTERIZ'N (Suppt to Min Safe) Char-050	5873	5900	6077	70148	M	M	M		Y		Provide planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support saltwell pumping operations.
30	TWRS	Kinzer	Umek	TW03	10	8	10	TWRS 200 EAST SST STABILIZATION/ISOLATION MIN SAFE	1574	3100	1004	71152	H	H	H			Y	Maintain minimum safe storage of waste within the tanks. This includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support saltwell pumping operations.
30	TWRS	Kinzer	Umek	TW03	11	9	11	TWRS 200 WEST SST STABILIZATION/ISOLATION MIN SAF	13213	14100	7973	79125	H	H	H			Y	Tank Farm Interim Stabilization and Tank Farm Intrusion Prevention
30	TWRS	Kinzer	Umek	TW02	12	9	12	TWRS STABILIZATION SAFETY SYSTEMS (EXHAUSTERS)	3067	1678	2500	81625	H	H	H			Y	Procurement of 4 portable exhausters in FY99.
30	TWRS	Kinzer	Umek	TW01	13	9	13	TWRS WASTE CHARACTERIZ'N (Support to SST Stabilization	873	1300	1339	82964	M	M	M		Y		Provide planning, technical basis, engineering, sample collection and sample analysis for grab sampling to support SST Stabilization.
30	TWRS	Kinzer	Umek	TW02	14	10	14	TWRS FLAMMABLE GAS MINIMUM SAFE OPERATIONS	22199	19581	8895	91859	H	H	H		Y		Close out the high heat safety issue (following retrieval of waste from tank C-106), flammable gas safety issue, and flammable gas safety question.
30	TWRS	Kinzer	Umek	TW01	15	10	15	TWRS WASTE CHARACTERIZ'N (Support to SST Flammable	14261	16700	17201	109060	M	M	M		Y		Provide support to SST Flammable Gas Program; includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
30	TWRS	Kinzer	Umek	TW02	16	10	16	TWRS LIGHTNING PROTECTION	1227	500		109060							
30	TWRS	Kinzer	Umek	TW03	17	10	17	TWRS SAFETY, USQ, AUTHORIZATION BASIS	10340	5000	3000	112060	H	H	H			Y	BIO Implementation, TWRS FSAR Development, Safety & Licensing/Safety Management System
30	TWRS	Kinzer	Umek	TW10	19	11	18	TWRS MINIMUM SAFETY MANAGEMENT CONTROL	13311	12611	9856	121916	H	H	H			Y	Provides overall program management for all TWRS projects including Systems Engineering, ESH&QA, maintenance of technical, schedule, and cost baseline
30	TWRS	Kinzer	Umek	TW03	180	141	19	TWRS FSAR IMPLEMENTATION		5000	2381	124297	H	H	H			Y	Establish the Final Safety Analysis Report (FSAR) and implement its requirements
30	TWRS	Kinzer	Umek	TW10	20	11	20	TWRS MANAGEMENT SYSTEMS - DOE-RL, PNNL , OTHERS	5237	5237	5237	129534							Provides technical, programmatic, and administrative support to the RL TWRS Program
30	TWRS	Kinzer	Umek	TW10	21	11	21	TWRS MANAGEMENT SYSTEMS - FEE	8294	9331	9331	138865							Project Hanford Management Contractor Performance Fee Award.
30	TWRS	Kinzer	Umek	TW03	18	10	22	TWRS A FARM COMPLEX OPS/MAINT. MIN SAFE (EAST)	5275	5200	5200	144065	H	H	H			Y	Operate all 200 East DST Tank Farm Facilities within the approved safety envelope and in compliance with environmental regulations.
30	TWRS	Kinzer	Umek	TW02	35	29	35	TWRS ORGANIC MINIMUM SAFE OPERATIONS	6314	6596	3764	147829	M	M	M		Y		Update the organic nitrate and organic solvent Safety Analysis Reports in FY99
								Min-Safe Subtotal:	177583	182803	147829								
30	TWRS	Kinzer	Umek	TW03	86	29	89	TWRS AS-BUILT DRAWINGS	5100	6000	6000	153829	H	H	H			Y	Revise drawings and labeling program, field verify AW Farm essential P&IDs, produce single system O&M drawings, assign unique equipment ID numbers, develop and implement Master Equipment List and label equipment/components.
30	TWRS	Kinzer	Umek	TW03	87	29	90	TWRS TANK FARM VENTILATION UPGRADES (W-030)	4718			153829							

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30	TWRS	Kinzer	Umek	TW01	101	80	102	TWRS WASTE CHARACTERIZ'N (93-5 commitment support)	1298	1250	1287	155116	M	M	M		Y		Provide support to Tank Farm Operational Requirements; includes planning, technical basis, engineering, sample collection and sample analysis for grab sampling.
30	TWRS	Kinzer	Umek	TW03	120	90	103	TWRS CROSS SITE TRANSFER SYSTEM (W-058) (W)	25914	549		155116							
30	TWRS	Kinzer	Umek	TW01	105	135	104	TWRS WASTE CHARACTERIZ'N (ORGANICS SUPPORT)	27489	29610	28844	183960	M	M	M		Y		Provide support to the Organics Program; includes planning, technical basis, engineering, sample collection and sample analysis for core sampling.
30	TWRS	Kinzer	Umek	TW02	178	135	105	TWRS ORGANIC MOISTURE MONITORING		5986	3012	186972	M	M	M				Provide a SMMS to be operated in 6 tanks in FY98 and 11 tanks in FY99. Additional deployment equipment completed in FY98 and a decon system completed in FY99. Moisture addition/control evaluated in FY98 and implemented in FY99
30	TWRS	Kinzer	Umek	TW03	121A	90	106	TWRS VADOSE DRILLING ZONE / MAPPING	4000	4000	4000	190972							
30	TWRS	Kinzer	Umek	TW01	171	132	107	Characterization (Support to 93-5 Commitments)	3077	3000	3090	194062	M	M	M		Y		Provide support to the 93-5 commitment 5.6.3.X resolution; includes planning, technical basis, engineering, sample collection and sample analysis for core sampling
30	TWRS	Kinzer	Umek	TW03	99	79	108	TWRS 200 EAST SST CONTROL, CLEAN, & STABLE		1000	1300	195362	L	M	M			Y	Tank Farm Configuration Upgrades; operating envelope defined and implemented, surface contamination cleanup, and abandoned equipment removal
30	TWRS	Kinzer	Umek	TW03	100	79	113	TWRS 200 WEST SST CONTROL, CLEAN, & STABLE	1016	4999	6246	201608	L	M	M			Y	Tank Farm Configuration Upgrades, Operating Envelope defined and implemented, Surface contamination clean up and abandoned equipment removal.
30	TWRS	Kinzer	Umek	TW03	170	131	114	TWRS TANK FARM INTEGRITY ASSESSMENT (EAST)	1700	1700	1700	203308	M	L	H			Y	
30	TWRS	Kinzer	Umek	TW01	102	80	115	TWRS WASTE CHARACTERIZATION-TWAPS/TCR DEV'T (M-	3961	2350	2420	205728	M	M	M		Y		Provide for TWAP/TCR development,includes planning, technical basis, engineering, sample collection and sample analysis for support to the technical basis program.
30	TWRS	Kinzer	Umek	TW04	113	84	116	TWRS DST WASTE RETRIEVAL	3189	5131	7478	213206	M	M	M			Y	Management, planning, and systems definition for the initial DST retrieval system and privatization feed staging.
30	TWRS	Kinzer	Umek	TW04	112	83	117	TWRS INITIAL TK RETRIEVAL SYS (ITRS) DST (W-211)	16222	17271	16268	229474	M	M	M			Y	Install 2 mixer pumps and related systems in 10 DSTs.
30	TWRS	Kinzer	Umek	TW08	118	89	118	TWRS PRIVATIZATION INFRASTRUCTURE (PHASE I)	2095	2600	15999	245473	L	L	L			Y	Provides the site infrastructure required by two privatization contractors.
30	TWRS	Kinzer	Umek	TW06	104	82	120	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH	5272	5000	7400	252873						Y	Provide program management support to the Waste Disposal Division
30	TWRS	Kinzer	Umek	TW06	114	87	121	TWRS LAW SUPPORT PHASE 1	3389	2996	3521	256394						Y	Establish LLW feed specifications and feed staging plans, work with the vendros to study Vendor/PNMC interface issues and define Interface Control Documents, provide feed sample and analysis for vendor product development and dispose of resulting wastes.
30	TWRS	Kinzer	Umek	TW09	115	88	122	TWRS LAW STORAGE/DISPOSAL	3529	4598	8043	264437	H	M	M			Y	Receive ILAW from private suppliers of treatment services under contract to the DOE and provide for interim storage, disposal, closure and monitoring of accepted waste.
30	TWRS	Kinzer	Umek	TW04	177	88	123	TWRS SST WASTE RETRIEVAL (INCL. PUMPING 106-C IN F	15525	2732	12044	276481	M	M	M			Y	Remove and transfer waste from 36 SSTs to resolve safety issues, provide feed for disposal operations, and to allow tank closure.
30	TWRS	Kinzer	Umek	TW03	169A	129	124	TWRS TF RES & SAFE OPS (W-314)	11300	15187	12000	288481						Y	Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquistion/analysis systems as needed to impro
30	TWRS	Kinzer	Umek	TW05	168	82	127	TWRS HIGH-LEVEL WASTE SUPPORT (M-51) PHASE 1	1249	2150	3634	292115						Y	Provides the TWRS PHMC support to the Phase 1 HLW Privatization effort that is over and above that work needed to support Phase 1 LLW Privatization
30	TWRS	Kinzer	Umek	TW05	176	134	141	TWRS IHLW - STORAGE	1477	2687	1430	293545	L	M	M			Y	Design and outfit storage facility; receive, transport, and store IHLW product
30	TWRS	Kinzer	Umek	TW04	164	88	143	TWRS HANFORD TANKS INITIATIVE: EM-30 (EXCL. ~$10M/	4391	6000	6000	299545						Y	Demonstrate capability to retrieve waste from SST; results will provide design criteria for the initial SST retrieval system Demonstrate quantification and characterization of residual tank wastes.
30	TWRS	Kinzer	Umek	TW08	116	89	166	TWRS PRIVATIZATION INFRASTRUCTURE (PHASE II)				299545							
30	TWRS	Kinzer	Umek	TW07	117	195	170	TWRS PRIVATIZATION VENDOR UTILITIES (PHASE II)				299545							

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30	TWRS	Kinzer	Umek	TW07	119	195	171	TWRS PRIVATIZATION PHASE II Set Aside				299545							
30	TWRS	Kinzer	Umek	TW05	124	82	172	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH				299545							
30	TWRS	Kinzer	Umek	TW05	138	82	173	TWRS LAW SUPPORT PHASE II				299545							
30	TWRS	Kinzer	Umek	TW05	140	82	178	TWRS HLW SUPPORT PHASE II				299545							
30	TWRS	Kinzer	Umek	TW07	156	82	179	TWRS PRIVATIZATION VENDOR OPERATIONS (PHASE II)				299545							
30	TWRS	Kinzer	Umek	TW09	203	217	180	TWRS CESIUM & STRONTIUM CAPSULE DISPOSITION	128	128	128	299673	M	M	L			Y	Recommend to RL preferred method for processing capsules for their disposal as HLW in the geologic repository. Trade studies and possibly an EM-50 funded process demonstration will be performed prior to issuance of the Phase II RFP.
30	TWRS	Kinzer	Umek	TW04	192	173	181	TWRS TANK FARM CLOSURE	282	436	412	300085	L	L	M			Y	Management, planning, and systems definition including a regulatory required closure work plan, performance assessment, and required field testing for a tank farm operable unit closure demonstration, completion of SST closure, completion of DST closure.
30	TWRS	Kinzer	Umek	TW05	110	82	182	TWRS DISPOSAL RISK REDUCTION (ALT PATH)	287	1800		300085							
30	TWRS	Kinzer	Umek	TW02	204	217	186	TWRS FLAMMABLE GAS ADDIT'L MONITORING UPGRADES		5000	2000	302085	M	M	M			Y	SHMS for 10 tanks in FY99, in-tank cameras for 2 DSTs in FY98 and FY99, additional DST flow meters in FY98/FY99, and NFPA ventilation upgrades.
30	TWRS	Kinzer	Umek	TW02	179	135	194	TWRS PUMP & DISPOSE C-103 ORGANIC LAYER				302085							
30	TWRS	Kinzer	Umek	TW03	184A	156	205	TWRS PROGRAM RESERVE		147		302085							Program reserve set-aside
30	TWRS	Kinzer	Umek	TW05	111	83	206	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH				302085							
30	TWRS	Kinzer	Umek	TW04	244B	158	210	TWRS SST RETRIEVAL				302085							
30	TWRS	Kinzer	Umek	TW08	264		213	TWRS Private Vendor Utilities Phase I				302085							
								Low Scenario Indirect Reduction			-4902	297183							
								High Scenario Indirect Reduction		-7044	-8136	289047							
								LOW SCENARIO Subtotal:	324191	310066	289047								
30	TWRS	Kinzer	Umek	TW03	169B	129	232	TWRS TF RES & SAFE OPS (W-314)				289047							Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquistion/analysis systems as needed to impro
								High Scenario Indirect Reduction			4902	293949							
								HIGH SCENARIO Subtotal:	324191	310066	293949								
30	TWRS	Kinzer	Umek	TW04	204.1	83	249	TWRS INITIAL DST RETRIEVAL W-211		3926	15640	309589	M	M	M	Y			To install two mixer pumps and related systems in ten DSTs on a path to support privatization.
30	TWRS	Kinzer	Umek	TW03	204.2	129	250	TWRS TR RES & SAFE OPS (W-314)		5000	14000	323589	M	M	M	Y			Upgrades to tank ventilation systems on DST farms 241-AN, AP, AW, SY, 241-AY, AZ, SST farms 241-SX and Double-contained receiver tank 244-A. Refurbish or replace outdated/failed DST instrumentation and data acquistion/analysis systems as needed to impro
30	TWRS	Kinzer	Umek	TW01	240	132	251	TANK WASTE CHARACTERIZATION - RECOVER TPA (CHAR		44000	45000	368589				Y			
30	TWRS	Kinzer	Umek	TW01	234	135	253	TWRS CHAR'ZN CREW CONTINUITY & STD SCHED. RECOV			1415	370004				Y			
30	TWRS	Kinzer	Umek	TW03	235	131	254	MARKING/MAPPING UNDERGROUND LINES 200E/W		1500		370004				Y			
30	TWRS	Kinzer	Umek	TW05	211	89	255	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH		2800		370004				Y			

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30	TWRS	Kinzer	Umek	TW09	220	88	256	TWRS ILAW STORAGE/DISPOSAL		3864	540	370544				Y			
30	TWRS	Kinzer	Umek	TW05	216	83	258	TWRS LAW SUPPORT PHASE II			869	371413				Y			
30	TWRS	Kinzer	Umek	TW05	217	83	259	TWRS HLW SUPPORT PHASE II			1516	372929				Y			
30	TWRS	Kinzer	Umek	TW04	253	173	260	TWRS TANK FARM CLOSURE		387	242	373171				Y			
								Compliance Level I (FY1998-FY1999)	324191	371543	373171								
30	TWRS	Kinzer	Umek	TW05	237	134	263	TWRS IHLW - STORAGE				373171				Y			
30	TWRS	Kinzer	Umek	TW04	244A	158	264	TWRS SST RETRIEVAL				373171				Y			
30	TWRS	Kinzer	Umek	TW05	252	177	265	TWRS HLW PHASE I				373171				Y			
30	TWRS	Kinzer	Umek	TW05	215	83	269	TWRS PRIVATIZATION PROGRAM MANAGEMENT (WIT) PH				373171				Y			
30	TWRS	Kinzer	Umek	TW09	219	88	270	TWRS CESIUM & STRONTIUM CAPSULE DISPOSITION			330	373501				Y			
								Compliance Level II (FY2000-FY2006)	324191	371543	373501								
30	TWRS	Kinzer	Umek	TW04	209	84	274	TWRS DST WASTE RETRIEVAL				373501				Y			
								Compliance Level III (FY2006-Beyond)	324191	371543	373501								
30	TWRS	Kinzer	Umek	TW02	236	135	278	TWRS PUMP & DISPOSE C-103 ORGANIC LAYER		2485	1128	374629							
								Additional Requirements Subtotal	324191	374028	374629								

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	Waste Mgmt																		
30	Waste Mgmt	Hansen	Mattsson	WM05	54	54	27	200 LEF Minimum Safe	18393	18865	19207	19207	M	M	H	Y			Provides for safe, cost-effective and environmentally sound operation, maintenance, and engineering support for the 200 Area TEDF and LERF and minimum operations and maintenance activities to maintain the ETF and 242-A Evaporator in a stand-by mode. Su
30	Waste Mgmt	Hansen	Mattsson	WM05	32	25	29	300 LEF Minimum Safe	7838	7365	7979	27186	L	L	L	Y		Y	Provides safe, cost-effective and environmentally sound operation, maintenance and engineering support for the 300 Area TEDF and the 340 Waste Handling Facility/307 Retention Basins. Supports RCRA other state and Federal Regulations/Laws.
30	Waste Mgmt	Hansen	Mattsson	WM05	33	27	33	Liquid Effluents Min Safe Prog Mgmt	1730	1533	1699	28885	M	M	H			Y	Provides overall coordination, direction, and customer interface for the activities in the Liquid Waste Program. Administrative support is provided for program documentation, funds management, scheduling and reporting. Supports DOE Requirements
30	Waste Mgmt	Hansen	Mattsson	WM06	28	20	34	222-S Minimum Safe	17631	17757	18376	47261	L	M	L			Y	Provides base funds to assure the 222-S Lab is available to perform sample analyses for clean up operations. Does not include for the analytical sample analyses. Complies with federal and state regulations and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM06	40	40	35	WSCF Minimum Safe	4542	4618	5087	52348	L	L	M			Y	Provide general analytical chemistry services for samples less than 1 mR/hr to support cleanup operations. Complies with federal and state regulations and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM06	34	28	41	Analytical Services Prog. Mgmt. Minimum Safe	1552	1579	1953	54301	L	L	L				Focus of responsibility and authority for management Analytical Services to ensure credible and timely date and results are achieved.
30	Waste Mgmt	Hansen	Mattsson	WM04	59	127	42	2706-T Minimum Safe	4635	4742	4931	59232		M		Y			Provides minimum safe support capabilities at the 2706-T Facility. Operational activities include decontamination, waste treatment and verification and liquid waste tank car operations.
30	Waste Mgmt	Hansen	Mattsson	WM04	41	42	43	T Plant Canyon Minimum Safe	10913	6385	5957	65199		M		Y			Provides minimum safe support capabilities at the T-Plant Waste and Decontamination Services Canyon Facility. Support operations include 221-T canyon decontamination, remote handled waste treatment and verification and spent fuel storage operations.
30	Waste Mgmt	Hansen	Mattsson	WM04	26	16	44	WRAP MIN SAFE	10048	8071	8082	73281	H	H	H	Y			Provides for facility maintenance, surveillance, administration/management and training as required by applicable procedures/regulations, excluding those activities associated with NDE/NDA, LLW and TRU process line operations.
30	Waste Mgmt	Hansen	Mattsson	WM03	42	41	52	CWC / LLBG MIN SAFE	17302	15327	15505	88786	M	M	M	Y	Y		Provides for compliant facility conditions to receive waste from on-site and off-site generators; for operations and maintenance of the CWC, TRUSAF, LLBG, Mixed Waste trenches, and 616: TRUSAF transitions preparations and Solid Waste EIS development
30	Waste Mgmt	Hansen	Mattsson	WM03	43	43	53	SW PROGRAM MANAGEMENT MIN SAFE	9328	9070	9445	98231				Y	Y		Provides for systems engineering, program direction, data management, safety/health, security and safeguards; and administration with the associated training for the assigned personnel for compliant project monitor, control and operations.
30	Waste Mgmt	Hansen	Mattsson	WM02	55	54	57	CANISTER STORAGE BLDG. MIN SAFE				98231	M	M	M	Y			Provides for the operations and maintenance beginning in FY 2002 of the Canister Storage Building (CSB) after the design, construction and placement of fuel in the CSB by SNF and the hot conditioning process of the spent nuclear fuel.
								Min-Safe Subtotal:	103912	95312	98231								

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30	Waste Mgmt	Hansen	Mattsson	WM06	82	20	84	W087 Rad Waste Transfer	406			98231	L	H	M			Y	Expense support (project management, QA, etc.) to Radioactive waste transfer line project.
30	Waste Mgmt	Hansen	Mattsson	WM06	166	125	85	W178 219-S Containment	115	3008	508	98739	L	H	M			Y	Analytical Services portion of TPA Milestone M-32 connecting the tanks in 219-S to the transfer pipeline in Project W-087, Radioactive Waste Transfer Line. Complies with TPA, federal and state regulations, and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM04	165	124	86	SECONDARY CONTAINMENT W-259 (T-Plant)	4691	5486	617	99356		L		Y			Provides for the construction of a double contained waste collection system for the 2706 -T Decontamination Facility operations.
30	Waste Mgmt	Hansen	Mattsson	WM05	182	147	88	W-252 Phase II Streams	1915			99356						Y	Supports the 10/97 implementation of BAT/AKART for the 200 Area Phase II Streams. This workscope is required by TPA Milestone M-17-00B.
30	Waste Mgmt	Hansen	Mattsson	WM06	85	28	92	Laboratory Sample Management Activities	2455	1672	1321	100677	L	L	L				Provide general analytical chemistry services for samples less than 1 mR/hr to support cleanup operations.
30	Waste Mgmt	Hansen	Mattsson	WM05	163	121	112	200 LEF Operations	7044	6524	6906	107583	M	M	H	Y			Provides for safe, cost effective and environmentally compliant operations of the 200 Area ETF for treatment of 242-A Evaporator and non-Evaporator feeds and of the 242-A Evaporator for reduction of waste volume in DSTs. Supports RCRA, CERCLA, other Stat
30	Waste Mgmt	Hansen	Mattsson	WM04	109A	122	165	RMW TREATMENT / DISPOSAL	4449	1000	5000	112583	L	L	L	Y			Provides for the RCRA/TSCA required treatment and disposal of several categories of mixed waste and backlog soils in support of TPA milestones M-19-01/02/03 and M-91. Options include macroencapsulation, characterization beginning in 2001 activities.
30	Waste Mgmt	Hansen	Mattsson	WM05	181	147	167	Miscellaneous Streams	410	460	362	112945	L		L			Y	Assures that all miscellaneous streams will be in compliance with the applicable regulations as set forth in the Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams. Supports State Regulations.
30	Waste Mgmt	Hansen	Mattsson	WM06	81	20	168	222-S Operations	2383	2001	4031	116976	L	M	L			Y	Provides base funds to assure the 222-S Lab is available to perform sample analyses for clean up operations. Does not include for the analytical sample analyses. Complies with federal and state regulations, and DOE orders.
30	Waste Mgmt	Hansen	Mattsson	WM04	194A	187	169	WRAP OPERATIONS	659	1200	3191	120167	H	H	H	Y			Provides the operational activities to perform the NDE/NDE, LLW, and TRU process line operations.
30	Waste Mgmt	Hansen	Mattsson	WM04	183A	164	183	TRU RETRIEVAL PH. I, W-113		808		120167	H	H	H	Y			Provides Phase I retrieval of TRU waste from one underground trench for continuous processing within WRAP 1; in compliance with the Hanford EIS ROD to permit final closure of the Burial Grounds. Remove half of the plutonium inventory of post 1970 TRU.
30	Waste Mgmt	Hansen	Mattsson	WM04	167	127	184	2706-T DECONTAMINATION OPERATIONS	2528	1609	1870	122037		M		Y			Provides decontamination and waste verification activities. Services include low-dose beta-gamma decontamination and waste verification in the 2706-T/TA facility.
30	Waste Mgmt	Hansen	Mattsson	WM06	83	20	185	Laboratory Facility Life Extension	1351		2872	124909	L	L	L			Y	222-S Laboratory upgrades required for capability and capacity to respond to programmatic sample analysis requests. Complies with federal and state regulations, and DOE orders
30	Waste Mgmt	Hansen	Mattsson	WM06	200	212	187	Laboratory Consolidation	594		1000	125909	L	L	L			Y	Transitioning of analytical operations from decentralized labs to either on-site or commercial laboratories.
30	Waste Mgmt	Hansen	Mattsson	WM03	201	212	189	CWC / LLBG OPERATIONS	1011		667	126576		L		Y			Provides radioactive surface area reduction and deep trench development and excavation The stabilization of numerous trench areas with the 200 West Area Low Level Burial Grounds is also provided.
30	Waste Mgmt	Hansen	Mattsson	WM05	197	207	191	340 Deactivation/Shutdown	200		642	127218	L	M	L			Y	Supports activities required for the safe and efficient closeout of the 340 Waste Handling Facility. Supports TPA, RCRA CAA and other state/federal requirements.
30	Waste Mgmt	Hansen	Mattsson	WM04	185A	163	196	Phase II TRU Retrieval W-211				127218	H	H	H	Y			TRU Retrieval Phase II (W-221) provides for the retrieval of remote handled (RH) TRU waste twenty five underground trenches for continuous processing within WRAP 1

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30	Waste Mgmt	Hansen	Mattsson	WM04	189A	163	197	Caisson Retrieval W-156				127218	H	H	H	Y			The Caisson Retrieval Project (W-156) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons in the 200 West Area.
30	Waste Mgmt	Hansen	Mattsson	WM04	187A	127	199	Remote-Handled Waste Treatment (M-91)	1130			127218		M		Y			Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T-Plant.
30	Waste Mgmt	Hansen	Mattsson	WM04	89A	42	200	T Plant Canyon Operations	3277	4000		127218		M				Y	Base funds some customers request decontamination activity
30	Waste Mgmt	Hansen	Mattsson	WM06	198	207	201	W367 222-S Ancilliary Upgrades			87	127305		L					Provide additional manipulator repair stations capability, cleaning, equipment decon, and laundry space for 222-S
30	Waste Mgmt	Hansen	Mattsson	WM06	199	207	202	Outyear Project Support				127305							Engineering studies, functional design criteria, and general plant projects required for capability and capacity to respond to programmatic sample analysis requirements.
30	Waste Mgmt	Hansen	Mattsson	WM03	195A	185	203	LLBG Closure				127305	M	M	M			Y	Provides the strategy development, finalization of design, and ultimate installation of final closure covers for the burial grounds in the 200 East and West Areas. TRU retrieval activities must be performed prior to burial ground cover installation (TRU
								Low Scenario Indirect Reduction			-1043	126262							
								High Scenario Indirect Reduction		-2608	-4377	121885							
								LOW SCENARIO Subtotal	138530	120472	121885								
30	Waste Mgmt	Hansen	Mattsson	WM04	89C	42	225	T Plant Canyon Operations				121885		M				Y	Canyon operation are paid for by customer organizations
30	Waste Mgmt	Hansen	Mattsson	WM04	270		233	Sodium Treatment			6000	127885					M		Provides for the commercial treatment of the radioactive sodium metal which will enable the early decommissioning of two storage building.
30	Waste Mgmt	Hansen	Mattsson	WM04	109B	122	235	RMW TREATMENT / DISPOSAL			10000	137885	L	L	L	Y			Provides for a two year delay in several mixed waste treatment and disposal activities as defined under TPA milestone M-91. Storage capacity within the Central Waste Complex will not be reduced and activities to enable direct disposal will be curtailed.
30	Waste Mgmt	Hansen	Mattsson	WM04	194B	187	236	WRAP OPERATIONS			1800	139685	H	H	H	Y			Provides a two year delay in TRU operations within WRAP-1 facility. This delays fulfillment of TPA milestone M-91 requirements and shipping of 50% of packaged TRU waste to WIPP will not be possible.
30	Waste Mgmt	Hansen	Mattsson	WM04	183B	164	237	TRU RETRIEVAL PH. I, W-113			17902	157587	H	H	H	Y			Provides for a two year delay in the initial retrieval of buried TRU waste containers from one underground trench. Delays fulfillment of TPA M-91 milestone requirements. Buried TRU containers will continue to degrade which makes future efforts more cos
30	Waste Mgmt	Hansen	Mattsson	WM04	185B	163	238	Phase II TRU Retrieval W-211			1826	159413	H	H	H	Y			Provides for a two year delay in the initial retrieval of buried TRU waste containers within 25 underground trench Delays fulfillment of TPA M-91 milestone requirements. Buried TRU containers will continue to degrade which makes future efforts more cos
30	Waste Mgmt	Hansen	Mattsson	WM04	187C	127	240	Remote-Handled Waste Treatment (M-91)				159413		M		Y			Provides for no high-dose and dual survey (beta-gamma and alpha) decontamination services and T Plant canyon transition activities. Impacts waste tank characterization activities and increases disposal costs to other projects.
30	Waste Mgmt	Hansen	Mattsson	WM04	189C	163	241	Caisson Retrieval W-156				159413	H	H	H	Y			Delays retrieval of TRU wastes stored in four underground caissons, project W-156 This will increase the risk of soil or ultimate ground water contamination.
30	Waste Mgmt	Hansen	Mattsson	WM03	195C	185	243	LLBG Closure				159413	M	M	M			Y	Delays the planning for closure of the Low Level Burial grounds in accordance with Washington Administration Code 173-303 for eight years. Potential increase in risk of ground water contamination.

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								High Scenario Indirect Reduction			1043	160456							
								HIGH SCENARIO Subtotal:	138530	120472	160456								
30	Waste Mgmt	Hansen	Mattsson	WM04	187B	127	248	Remote-Handled Waste Treatment (M-91)			10150	170606		M		Y			Provides high-dose and dual survey (beta-gamma and alpha) decontamination services, canyon transition operations and spent nuclear fuel removal at T-Plant.
								Compliance Level I (FY1998-FY1999)	138530	120472	170606								
30	Waste Mgmt	Hansen	Mattsson	WM04	189B	163	262	Caisson Retrieval			461	171067	H	H	H	Y			The Caisson Retrieval Project (W-154) provides for the retrieval of remote handled (RH) TRU waste from four underground caissons in the 200 West Area.
30	Waste Mgmt	Hansen	Mattsson	WM06	207	20	272	Laboratory Facility Life Extension		2868		171067				Y			222-S Laboratory upgrades required for capability and capacity to respond to programmatic sample analysis Complies with federal and state regulations, and DOE orders
								Compliance Level II (FY2000-FY2006)	138530	123340	171067								
30	Waste Mgmt	Hansen	Mattsson	WM04	230	122	277	RMW TREATMENT / DISPOSAL		5000		171067							Continues activities related to nonthermal treatment
30	Waste Mgmt	Hansen	Mattsson	WM06	206	20	282	222-S Operations		1995		171067							
30	Waste Mgmt	Hansen	Mattsson	WM04	254	187	283	WRAP OPERATIONS		2483		171067							
30	Waste Mgmt	Hansen	Mattsson	WM03	233	127	284	T PLANT CANYON OPERATIONS		9037		171067		M					Canyon operations are paid for by customer organizations
30	Waste Mgmt	Hansen	Mattsson	WM06	255	212	285	Laboratory Consolidation		2000		171067							
30	Waste Mgmt	Hansen	Mattsson	WM03	256	212	286	CWC / LLBG OPERATIONS		650		171067							
30	Waste Mgmt	Hansen	Mattsson	WM04	231	122	291	RMW TREATMENT / DISPOSAL		4068		171067							Provides additional nonthermal treatment
30	Waste Mgmt	Hansen	Mattsson	WM04	246	163	292	Phase II TRU Retrieval		719		171067							
30	Waste Mgmt	Hansen	Mattsson	WM04	247	163	293	Caisson Retrieval		199		171067							
30	Waste Mgmt	Hansen	Mattsson	WM06	258	207	294	W367 222-S Ancillary Upgrades		85		171067							
30	Waste Mgmt	Hansen	Mattsson	WM03	259	185	295	LLBG Closure		504		171067							
								Additional Requirements Subtotal:	138530	150080	171067								

EM-30 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	SCI & TECH																		
30	SCI & TECH	Rosselli	Fulton	STO1	22	13	23	PNNL WMOC: MIN SAFE SURV & MAINT	4375	4962	3580	3580	U	U	U	Y			Maintains PNNL 300 Area facilities in minimum safe condition
								Min-Safe Subtotal:	4375	4962	3580								
30	SCI & TECH	Rosselli	Fulton	STO1	128	100	131	PNNL WASTE OPER & MGMT - CURRENT GENERATION	5712	8072	7044	10624	M	H	H	Y			Provides mgmt and disposal of PNNL wastes; provide effluent management
30	SCI & TECH	Rosselli	Fulton	STO1	162	120	164	PNNL WMOC: COMPLIANCE OVERSIGHT & SUPPORT	2239	2239	2291	12915				Y			Provides compliance with waste management regulations.
30	SCI & TECH	Rosselli	Fulton	STO1	227B	100	211	PNNL WASTE OPER & MGMT - LEGACY WASTE				12915	M	H	H			Y	Provides mgmt and disposal of PNNL legacy wastes
								LOW SCENARIO Subtotal:	12326	15273	12915								
30	SCI & TECH	Rosselli	Fulton	STO1	227B	100	229	PNNL WASTE OPER & MGMT - LEGACY WASTE			2000	14915	M	H	H			Y	Provides mgmt and disposal of PNNL legacy wastes
								HIGH SCENARIO Subtotal:	12326	15273	14915								
30	SCI & TECH	Rosselli	Fulton	STO1	228	100	266	PNNL WMOC: COMPLIANCE OVERSIGHT & SUPPORT	992	622	351	15266				Y			Provides compliance with 10 CFR 834; RCRA / P2 enhanced compliance
								Compliance Level II (FY2000-FY2006)	13318	15895	15266								
30	SCI & TECH	Rosselli	Fulton	STO1	227A	100	281	PNNL WASTE OPER & MGMT - LEGACY WASTE	1137	3947	526	15792	M	H	H				Provides mgmt and disposal of PNNL legacy wastes
								Additional Requirements Subtotal:	14455	19842	15792								

EM-30 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	EEM																		
30	Mis Support	Rasmussen	Adair	OTO1	53	52	51	Effluent & Environmental Monitoring (EEM) Program	4306	3926	6300	6300	L	M	M			Y	Provides two vital services to help maintain on-site work safety and health and off-site public safety and health.
								Min-Safe Subtotal:	4306	3926	6300								
								Low Scenario Indirect Reduction			-101	6199							
								High Scenario Indirect Reduction		-86	-167	6032							
								LOW SCENARIO Subtotal:	4306	3840	6032								
								High Scenario Indirect Reduction			101	6133							
								HIGH SCENARIO Subtotal:	4306	3840	6133								

EM-30 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	324/327																		
30	FT	Knollmeyer	Olguin	TP08	23	14	24	324 Building Min Safe	8650	9479	10395	10395	H	H	H	Y			Provides minimum safe operations for 324 facility.
30	FT	Knollmeyer	Olguin	TP08	24	14	25	327 Building Min Safe	4196	5067	5332	15727	H	H	H	Y			Provides minimum safe operations for 327 facility.
								Min-Safe Subtotal	12846	14546	15727								
30	FT	Knollmeyer	Olguin	TP08	129	101	77	B-Cell Cleanout	4864	12775	13428	29155	H	H	H	Y			Provides removal of 3 million curies in support of TPA milestone M-89-02
30	FT	Knollmeyer	Olguin	TP08	74	14	78	CsCl Legacy Safety Program	1058	993	1375	30530	H	H	H	Y			Provides removal of CsCl legacy material from the 300 Area
30	FT	Knollmeyer	Olguin	TP08	75	14	79	327 Legacy Fuel Removal	1196	1298	200	30730	H	H	H	Y			Provides consolidation and disposal of fuel material from the 300 Area.
30	FT	Knollmeyer	Olguin	TP08	76	14	80	324/327 Deactivation	263		1784	32514	H	H	H	Y			Provides planning in support of 324/327, facility characterization and final S&M plans.
30	FT	Knollmeyer	Olguin	TP08	77	15	132	324/327 Risk Reduction	320	600		32514				Y			Provides SAR upgrades, 324 vulnerability assessment and Fire Hazards Analysis.
								Low Scenario Indirect Reduction			-520	31994							
								High Scenario Indirect Reduction		-585	-863	31131							
								LOW SCENARIO Subtotal	20547	29627	31131								
								High Scenario Indirect Reduction			520	31651							
								HIGH SCENARIO Subtotal	20547	29627	31651								
30	FT	Knollmeyer	Olguin	TP08	229	101	252	B-Cell Cleanout	1247	3103		31651				Y			Provides removal of 3 million curies in support of TPA milestone M-89-02.
								Compliance Level I (FY1998-FY1999)	21794	32730	31651								
30	FT	Knollmeyer	Olguin	TP08	205	14	267	324/327 Deactivation		1900		31651				Y			Provides planning in support of 324/327, facility characterization and final S&M plans
								Compliance Level II (FY2000-FY2006)	21794	34630	31651								

EM-30 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	RL Directed																		
30	RL Directed	Murphy	N/A	OTO4	269	67	69	Site Wide Assessments (EM-30)	4443			0							required payments for miscellaneous activities
								LOW SCENARIO Subtotal:	4443	0	0								
	Reg Unit																		
30	Reg Unit	Sheridan	Umek	RG01	103	61	119	TWRS RADIOLOGICAL NUCLEAR SAFETY OVERSIGHT	4600	4590	4456	4456	M	M	M		Y		Independent safety regulation (radiological, Nuclear, and process safety) of the TWRS Privatization Contractor
								LOW SCENARIO Subtotal:	4600	4590	4456								
	EM-30 Totals																		
								Min-Safe Subtotal:	303022	301549	271667								
								LOW SCENARIO Subtotal:	508943	483868	465466								
								HIGH SCENARIO Subtotal:	508943	483868	511560								

EM-40 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
Environmental Restoration																			
40	ER	Bauer	M C. Hughes	ER05	44	45	30	MIN SAFE - 100 AREA D&D - S&M	3525	4432	4316	4316	L	H	H	Y			S&M of 8 Reactors and over 100 Ancillary Fac.
40	ER	Bauer	M C. Hughes	ER05	45	46	31	MIN SAFE - 100 AREA D&D - Fac Trans S&M				4316	L	H	H	Y			S&M of N Reactor and 100 Ancillary Fac.
40	ER	Bauer	M C. Hughes	ER07	46	51	37	MIN SAFE - LONG TERM S&M	198	193	192	4508	L	M	M	Y			Post Remediation Monitoring of 1100 Area
40	ER	Bauer	M C. Hughes	ER08	36	32	45	MIN SAFE - GW MGT CERCLA/RCRA MONITORING & REPO	591	10495	11074	15582	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M C. Hughes	ER05	29	22	46	MIN SAFE - RARA	3000	3500	3500	19082	M	M	H	Y			Maintenance of 390 waste sites
40	ER	Bauer	M.C. Hughes	ER05	47A	48	47	MIN SAFE - ASBESTOS ABATEMENT	41			19082	L	H	M	Y			Asbestos Abatement Project Management
40	ER	Bauer	M.C. Hughes	ER05	48	47	48	MIN SAFE - 200 AREA D&D - S&M	2500	2400	2400	21482	L	H	M	Y			S&M of 50 inactive fac. (including REDOX & U Plant)
40	ER	Bauer	M.C. Hughes	ER05	49	47	49	MIN SAFE - 200 AREA D&D - FACILITY TRANSITION S&M		1200	1200	22682	L	H	M	Y			S&M of 100 inactive fac. (including PUREX)
40	ER	Bauer	M.C. Hughes	ER05	51	50	50	MIN SAFE - 300 AREA D&D - FACILITY TRANSITION S&M		200	400	23082	M	H	M	Y			S&M of 21 inactive fac.
								Min-Safe Subtotal:	9855	22420	23082								
40	ER	Bauer	M C. Hughes	ER06	50	46	72	233 S D&D	2570	4000	3806	26888	L	H	M	Y			D&D of 233-S Facility
40	ER	Bauer	M C. Hughes	ER06	52	48	73	100 AREA C REACTOR ISS	4663	5950		26888	M	H	M	Y			Completion of C Reactor ISS
40	ER	Bauer	M.C. Hughes	ER05	90	51	93	FACILITY TRANSITION SUPPORT	750	750	750	27638	M	H	M	Y			ER support for facility transition activities
40	ER	Bauer	M.C. Hughes	ER10	91	60	94	RL PROGRAM MANAGEMENT AND SUPPORT	7020	6000	5345	32983				Y			Management and oversight, also CERCLA grants to WDOE
40	ER	Bauer	M.C. Hughes	ER10	143	111	109	PROGRAM MANAGEMENT & SUPPORT	37919	27889	26449	59432				Y			Safety,QA,Reg Compl.,Data Mgmt,Engr. Plan. for Min Safe
40	ER	Bauer	M.C. Hughes	ER08	133	105	110	200 ZP GW REMEDIAL ACTION	3051	2659	2736	62168	L	L	H	Y			Treatment of 1.3B liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	131	103	133	100 HR GW REMEDIAL ACTION	3422	3080	3426	65594	L	L	H	Y			Treatment of 880M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	132	104	134	100 KR GW REMEDIAL ACTION	2442	3069	3402	68996	L	L	H	Y			Treatment of 600M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	130	102	135	100 NR GW REMEDIAL ACTION	2799	1000	1506	70502	L	L	H	Y			Treatment of 300M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	134	106	136	200 UP GW REMEDIAL ACTION	1615	609	510	71012	L	L	H	Y			Treatment of 95M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	135	106	137	200 PO GW REMEDIAL ACTION				71012	L	L	H	Y			
40	ER	Bauer	M.C. Hughes	ER09	136	106	138	N REACTOR DEACTIVATION	13516			71012				Y			Deactivation of N Reactor
40	ER	Bauer	M.C. Hughes	ER04	149	115	139	ER DISPOSAL FACILITY	14842	16664	23641	94653	M	M		Y			Disposal of 770K cubic yards of waste
40	ER	Bauer	M.C. Hughes	ER01	144	112	140	100 BC SOURCE REMEDIAL ACTION	6301	8664	6480	101133	M	M	H	Y			Remediation of 13 waste sites in 100 BC Area
40	ER	Bauer	M.C. Hughes	ER01	145	113	142	100 DR SOURCE REMEDIAL ACTION	5966	9277	5015	106148	M	M	H	Y			Remediation of 20 waste sites in 100 D Area
40	ER	Bauer	M.C. Hughes	ER01	146	113	144	183-H WASTE DISPOSAL				106148				Y			Closure of a RCRA TSD in support of the TPA
40	ER	Bauer	M.C. Hughes	ER03	148	114	145	300 FF SOURCE REMEDIAL ACTION	6516	7618	5337	111485	M	M	H	Y			Remediation in 9 waste sites
40	ER	Bauer	M.C. Hughes	ER01	150	117	146	100 HR SOURCE REMEDIAL ACTION	1207	1433	8922	120407	M	M	H	Y			Remediation of 8 waste sites in 100 H Area
40	ER	Bauer	M.C. Hughes	ER08	151	117	147	GW MGT WELL DECOMMISSIONING		2000	2000	122407	L	L	H	Y			Decommissioning and maintenance of existing wells
40	ER	Bauer	M.C. Hughes	ER06	137	107	148	100 AREA D&D REMEDIAL ACTION	4815	2854	1962	124369	M	H	M	Y			Decommissioning of the eight 100 Area facilities
40	ER	Bauer	M.C. Hughes	ER06	106A	107	149	100 AREA F REACTOR ISS		1311	7789	132158	M	H	M	Y			Initiate F Reactor ISS
40	ER	Bauer	M.C. Hughes	ER06	139	107	150	100 AREA D REACTOR ISS				132158	M	H	M	Y			D Reactor ISS
40	ER	Bauer	M.C. Hughes	ER06	107A	107	151	100 AREA DR REACTOR ISS				132158	M	H	M	Y			DR Reactor ISS
40	ER	Bauer	M.C. Hughes	ER06	141	107	152	100 AREA H REACTOR ISS				132158	M	H	M	Y			H Reactor ISS
40	ER	Bauer	M.C. Hughes	ER06	142	108	153	100 AREA KE REACTOR ISS				132158	M	H	M	Y			KE Reactor ISS
40	ER	Bauer	M.C. Hughes	ER01	147	113	154	100 FR SOURCE REMEDIAL ACTION	2620	1100	4548	136706	M	H	M	Y			Remediation of 6 waste sites in 100 F Area
40	ER	Bauer	M.C. Hughes	ER01	152	118	155	100 NR SOURCE REMEDIAL ACTION	392	1089	845	137551	M	M	H	Y			Remedial design
40	ER	Bauer	M.C. Hughes	ER01	154	119	156	100 KR SOURCE REMEDIAL ACTION				137551	M	M	H	Y			Remediation of 100 K Area waste sites
40	ER	Bauer	M.C. Hughes	ER08	155	119	157	GW MGT MODELING AND COMPOSITE ANALYSIS		650	650	138201				Y			Development of composite analysis
40	ER	Bauer	M.C. Hughes	ER02	153	119	158	200 BP SOURCE REMEDIAL ACTION	1268	516		138201	L	M	H	Y			Complete Prototype Barrier Testing

EM-40 Hanford FY 1999 Integrated Priority List - "What are we Buying?"

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
40	ER	Bauer	M.C. Hughes	ER02	191A	119	159	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789			138201	L	M	H	Y			200 Area assessment
40	ER	Bauer	M.C. Hughes	ER08	161A	120	160	COL RIVER COMPREHENSIVE IMPACT ASSESS	461			138201	L	M	H	Y			
40	ER	Bauer	M.C. Hughes	ER02	157	119	161	200 PO REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y			200 Area assessment
40	ER	Bauer	M.C. Hughes	ER02	158	120	162	200 UP RREMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y			200 Area assessment
40	ER	Bauer	M.C. Hughes	ER02	159	120	163	200 RO REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y			200 Area assessment
40	ER	Bauer	M.C. Hughes	ER02	160	120	193	200 IU REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y			Initiate 200 Area assessment
								LOW SCENARIO Subtotal:	134799	130602	138201							
40	ER	Bauer	M.C. Hughes	ER08	36	32	217	GW MGT CERCLA/RCRA MONITORING & REPORTING				138201	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER10	91	60	218	RL PROGRAM MANAGEMENT AND SUPPORT				138201				Y			Management and Oversight
40	ER	Bauer	M.C. Hughes	ER03	148	114	219	300 FF SOURCE REMEDIAL ACTION			841	139042	M	M	H	Y			Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M.C. Hughes	ER06	106A	107	220	100 AREA REACTOR ISS		1700	6823	147665	M	H	M	Y			Required to maintain commitments for TPA
40	ER	Bauer	M.C. Hughes	ER01	152	118	221	100 NR SOURCE REMEDIAL ACTION			3336	151201	M	M	H	Y			Required to initiate remediation in accordance with the ROD
40	ER	Bauer	M.C. Hughes	ER02	191A	119	222	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION				151201	L	M	H	Y			Initiate 200 Area assessment
40	ER	Bauer	M.C. Hughes	ER08	161A	120	223	COL RIVER COMPREHENSIVE IMPACT ASSESS		1000	1000	152201	L	M	H	Y			Implement CRCIA recommendations
								HIGH SCENARIO Subtotal:	134799	133302	152201							
40	ER	Bauer	M.C. Hughes	ER08	36	32	244	GW MGT CERCLA/RCRA MONITORING & REPORTING	591	2000	2000	154201	L	L	H	Y			Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER03	148	114	245	300 FF SOURCE REMEDIAL ACTION	6516	1357		154201	M	M	H	Y			Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M.C. Hughes	ER06	106A	107	246	100 AREA REACTOR ISS		4694		154201	M	H	M	Y			Required to maintain commitments for TPA
40	ER	Bauer	M.C. Hughes	ER01	152	118	247	100 NR SOURCE REMEDIAL ACTION	392	410	2464	156665	M	M	H	Y			Required to initiate remediation in accordance with the ROD
40	ER	Bauer	M.C. Hughes	ER02	191A	119	261	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789	500	4260	160925	L	M	H	Y			Initiate 200 Area assessment
								Compliance Level I (FY1998-FY1999)	143087	142263	160925							
EM-40 Totals								Min-Safe Subtotal:	9855	22420	23082								
								LOW SCENARIO Subtotal:	134799	130602	138201								
								HIGH SCENARIO Subtotal:	134799	133302	152201								

EM-60 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
Transition Projects																			
60	FT	Knollmeyer	Olguin	TP07	1	1	1	PFP Min Safe	32592	33077	38052	38052	U	U	U	Y			The PFP vault complex will be operated and maintained to ensure the safe and secure storage of Special Nuclear Material (SNM) until final disposition of SNM, Nuclear Materials (NM) and Nuclear Fuels (NF) is implemented.
60	FT	Knollmeyer	Olguin	TP02	25	15	26	WESF Min Safe	9654	9110	9944	47996	H	H	H	Y			Provide safe and compliant storage of cesium and strontium capsules.
60	FT	Knollmeyer	Olguin	TP01	31	24	32	B-Plant Min Safe	13526	9298	1280	49276	M	M	H	Y			Provide minimum safe operations of B Plant
60	FT	Knollmeyer	Olguin	TP03	38	35	39	PUREX Deactivation	22218			49276				Y			Complete PUREX deactivation and transition to minimal S&M mode.
60	FT	Knollmeyer	Olguin	TP04	39	36	40	300 Area FSS Min Safe	2896	2941	2929	52205	L	L	L	Y			Maintain the 300 Area Fuel Supply System in a safe compliant state.
60	FT	Knollmeyer	Olguin	TP12	58	123	56	Transition Project Management	10303	9272	10177	62382	M	M	M				Provide centralized program/project management to plan, execute and control the Facility Stabilization baseline.
								Min-Safe Subtotal	91189	63698	62382								
60	FT	Knollmeyer	Olguin	TP01	84	24	74	B-Plant Deactivation	9862	10650	3675	66057	L	M	M	Y			Complete B Plant deactivation and transition to minimal S&M mode
60	FT	Knollmeyer	Olguin	TP07	88	36	75	IAEA Support	687	682	718	66775							Provide IAEA support.
60	FT	Knollmeyer	Olguin	TP02	78	15	76	WESF Stand-alone Mods	2479	4271	3371	70146	H	H	H	Y			Provide required upgrades to maintain WESF.
60	FT	Knollmeyer	Olguin	TP02	79	15	81	CsCl Legacy Return	1252			70146	L	M	L	Y			Complete the CsCl legacy return program.
60	FT	Knollmeyer	Olguin	TP07	71	1	82	PFP Infrastructure	12600	14206	17927	88073	M	H	M	Y			Provides corrective maintenance, power & radiation surveillances, procedures and project management, necessary for support of plant projects and occupancy.
60	FT	Knollmeyer	Olguin	TP06	72	1	87	PFP Stabilization	18169	15235	13931	102004	M	H	M	Y	Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone.
60	FT	Knollmeyer	Olguin	TP05	73A	1	91	PFP Deactivation	1414		4145	106149	M	H	M	Y			Provide for cleanup, transition activities and turnover of PFP facilities, except for the vaults, to EM-40.
60	FT	Knollmeyer	Olguin	TP06	122A	93	125	Project W-460, Plutonium Stabilization & Handling (PuSH)	1000	8875	22628	128777	M	H	M	Y	Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone.
60	FT	Knollmeyer	Olguin	TP04	190	169	188	300 Area Shutdown (313 Building)	676	871	3111	131888	L	M	H	Y			Provides for 300 Area Fuel Supply shutdown and 313S Building Isolation.
60	FT	Knollmeyer	Olguin	TP10	186A	170	192	Accelerated Deactivation Projects				131888	L	M	L	Y			Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.
60	FT	Knollmeyer	Olguin	TP09	202	215	195	K Basin Deactivation			500	132388	M	M	M	Y			Provides for initial planning for K Basin deactivation.
60	FT	Knollmeyer	Olguin	TP14	193A	155	204	HSF/300 Area Revitalization				132388	L	M	L	Y			Provides for initial planning for Hanford Surplus Facilities/300 Area Revitalization.
60	FT	Knollmeyer	Olguin	TP10	265		215	FACILITY S&M EXTENSION (Accelerated Deactivation)				132388							
								Low Scenario Indirect Reduction			-1896	130492							
								High Scenario Indirect Reduction		-2595	-3733	126759							
								LOW SCENARIO Subtotal	139338	115893	126759								
60	FT	Knollmeyer	Olguin	TP10	186B	170	239	Accelerated Deactivation Projects			3840	130599	L	M	L	Y			Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.
60	FT	Knollmeyer	Olguin	TP14	193C	155	242	HSF/300 Area Revitalization			4500	135099	L	M	L	Y			Provides for initial planning for Hanford Surplus Facilities/300 Area Revitalization
								High Scenario Indirect Reduction			1896	136995							

EM-60 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
								HIGH SCENARIO Subtotal:	139338	115893	136995								
60	FT	Knollmeyer	Olguin	TP06	222	93	273	Project W-460, Plutonium Stabilization & Handling (PuSH)		2800		136995					Y		Implement DNFSB 94-1 stabilization activities to support DOE-HQ milestone.
								Compliance Level II (FY2000-FY2006)	139338	118693	136995								
60	FT	Knollmeyer	Olguin	TP04	250	169	279	300 Area Shutdown		2665		136995							Provides for 300 Area Fuel Supply shutdown and 313S Building Isolation.
60	FT	Knollmeyer	Olguin	TP09	260	215	289	K Basin Deactivation		250		136995							Provides for initial planning for K Basin deactivation.
60	FT	Knollmeyer	Olguin	TP10	251	170	290	Accelerated Deactivation Projects		1311		136995							Provides for planning and deactivation of misc. contaminated facilities, primarily in the 200 Areas.
								Additional Requirements Subtotal:	139338	122919	136995								

EM-60 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	SNF																		
60	SNF	Hansen	Williams	WM01	2	2	2	Maintain Fuel in K-Basin	25337	25922	27255	27255	U	H	U	Y	Y		Provides for minimum safe operation of the K Basins for storage of 2100 metric tons of spent nuclear fuel until fuel, sludge, and debris removal operations are completed in FY 2001; includes surveillance, maintenance, safeguards, and radiological control
								Min-Safe Subtotal	25337	25922	27255								
60	SNF	Hansen	Williams	WM01	95	74	98	Move the Fuel Away from the River	76502	94614	77142	104397	U	H	U	Y	Y		Provides for fuel, sludge, and debris removal from the K Basins on the Columbia River to dry storage in the 200 Area; acquires multi-canister overpacks and cask/transport system for SNF transport and storage and K Basin upgrades supporting fuel removal
60	SNF	Hansen	Williams	WM01	96	75	99	Canister Storage Building	65930	14216	8323	112720	H	M	M	Y	Y		Provides for design and construction of the CSB in the 200 Area, including the MCO Handling machine, and hot conditioning annex building; provides for operation of the CSB through FY 2001 when all K Basin fuel will be in dry interim storage
60	SNF	Hansen	Williams	WM01	97	76	100	Fuel Conditioning Facilities	18289	16669	7283	120003	H	M	M	Y	Y		Acquires and operates Cold Vacuum Drying facility in the 100 Area to enable safe transport of K Basins SNF to the CSB for staging; acquires equipment and operates the Hot Conditioning System within the CSB to enable safe interim storage for
60	SNF	Hansen	Williams	WM01	98	77	101	Disposition Other Hanford Fuel	623	389	3026	123029	M	H	M	Y	Y		Provides for management, including operations of non-K Basins SNF at 200 & 400 ISAs; acquires 200 Area ISA and T Plant casks; transfers other SNF to 200 Area ISA/CSB for storage & Na-bonded fuel to INEL for treatment; integrates with complex-wide actions
60	SNF	Hansen	Williams	WM01	261		207	K Basin Sludge Treatment				123029							For budgeting purposes, this activity reflects planning for sludge treatment and/or storage, starting in Fiscal Year 2001. Actual treatment and/or storage not included
								Low Scenario Indirect Reduction			-1966	121063						
								High Scenario Indirect Reduction		-3324	-3264	117799							
								LOW SCENARIO Subtotal.	186681	148486	117799								
60	SNF	Hansen	Williams	WM01	268		226	K Basin Sludge Treatment				117799							For budgeting purposes, this activity reflects planning for sludge treatment and/or storage, continuing into Fiscal Year @002. Actual treatment and/or storage is not included.
								High Scenario Indirect Reduction			1966	119765						
								HIGH SCENARIO Subtotal.	186681	148486	119765								

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Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
Advanced Reactor																			
60	FT	Knollmeyer	Olguin	TP11	27	17	28	ART Min Safe (FFTF, FMEF, NE Legacies, 309 Building)	32102	33213	30474	30474	M	H	H	Y			Maintain the FFTF in a "hot" standby condition. Maintain FMEF, 309 & NE Legacy facilities in a safe and compliant condition.
								Min-Safe Subtotal:	32102	33213	30474								
60	FT	Knollmeyer	Olguin	TP11	80	17	83	FFTF Deactivation	11850	4840		30474	L	M	M	Y			Place fuel in dry storage; drain 260,000 gallons of sodium into the SSF; place plant systems in layup for transfer to the ERC.
60	FT	Knollmeyer	Olguin	TP11	172	133	174	NE Legacy Deactivation	1199	1185	1312	31786	H	H	M	Y			Provide NE Legacy sodium system disposition and complete NE RCRA closure
60	FT	Knollmeyer	Olguin	TP11	173	133	175	Sodium Storage Facility (FY 1997 only)	117			31786		L		Y			Complete construction and turnover (FY 1997).
60	FT	Knollmeyer	Olguin	TP11	174A	133	176	Sodium Reaction Facility	33			31786				Y			Commence FDC/CDR in FY 1999; construct facility and operate to dispose of FFTF sodium.
60	FT	Knollmeyer	Olguin	TP11	175A	133	177	SSF and SRF Deactivation				31786				Y			Clean out and deactivate SSF & SRF after mission is complete.
60	FT	Knollmeyer	Olguin	TP11	188	167	190	309/PRTR Deactivation	1276	1362	1200	32986	H	H	H	Y			Complete cleanout and stabilization; turnover to ERC.
60	FT	Knollmeyer	Olguin	TP11	196A	167	198	FMEF Deactivation				32986		L		Y			Provides for FMEF deactivation.
								Low Scenario Indirect Reduction			-529	32457							
								High Scenario Indirect Reduction		-889	-877	31580							
								LOW SCENARIO Subtotal:	46577	39711	31580								
								High Scenario Indirect Reduction			529	32109							
								HIGH SCENARIO Subtotal:	46577	39711	32109								
EM-60 Totals																			
								Min-Safe Subtotal:	148628	122833	120111								
								LOW SCENARIO Subtotal:	372596	304090	276138								
								HIGH SCENARIO Subtotal:	372596	304090	288869								

EM-70 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E O. 12088	DNFSB	Other	
	Landlord																		
70	Landlord	Knollmeyer	McGinley	TP13	56	94	54	Minimum Safe - Essential Site Infrastructure Maintenance	9150	11879	9201	9201	H	H	M			Y	Overlay/chip seal of roads, septic system replacements for non-compliant systems, telecommunications and water replacement equipment.
70	Landlord	Knollmeyer	McGinley	TP13	57	95	55	Minimum Safe - Surveillance, Maint , and Deactivation, of Vaca	2210	1871	6745	15946	H	H	H			Y	S&M, deactivation, and demolition of equipment and GPFs
								Min-Safe Subtotal:	11360	13750	15946							
70	Landlord	Knollmeyer	McGinley	TP13	108	95	111	Disposition of Vacant GPFs			2000	17946	H	H	H			Y	Demolition of equipment and General Purpose Facilities
70	Landlord	Knollmeyer	McGinley	TP13	123	95	126	Disposition of Vacant GPFs	1536	1250	4054	22000	H	H	H			Y	Demolition of equipment and General Purpose Facilities
70	Landlord	Knollmeyer	McGinley	TP13	249B	166	208	Disposition of Vacant GPFs/Mortgage Reduction				22000	H	H	H				Increased building demolition activity for mortgage reduction
70	Landlord	Knollmeyer	McGinley	TP13	248B	165	209	Essential Site Infrastructure Maintenance				22000	H	H	M			Y	Road overlays/chip seals, records mgmt equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
								Low Scenario Indirect Reduction			-33	21967							
								High Scenario Indirect Reduction		-328	-902	21065							
								LOW SCENARIO Subtotal:	12896	14672	21065								
70	Landlord	Knollmeyer	McGinley	TP13	249C	166	227	Disposition of Vacant GPFs/Mortgage Reduction			3000	24065	H	H	H				Increased building demolition activity for mortgage reduction
70	Landlord	Knollmeyer	McGinley	TP13	248C	165	228	Essential Site Infrastructure Maintenance			8885	32950	H	H	M			Y	Road overlays/chip seals, records mgmt equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
70	Landlord	Knollmeyer	McGinley	TP13	271		234	FACILITY S&M EXTENSION				32950							
								High Scenario Indirect Reduction			33	32983							
								HIGH SCENARIO Subtotal:	12896	14672	32983								
70	Landlord	Knollmeyer	McGinley	TP13	248A	165	287	Unfunded - Essential Site Infrastructure Maintenance		20463	18716	51699	H	H	M				Road overlays/chip seals, records mgmt equipment, 3719 roof replacement, and mobile tactical command unit (funding reductions in FY 1997).
70	Landlord	Knollmeyer	McGinley	TP13	249A	166	288	Unfunded - Disposition of Vacant GPFs/Mortgage Reduction		4980		51699	H	H	H				Increased building demolition activity for mortgage reduction
								Additional Requirements Subtotal:	12896	40115	51699							

EM-70 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
	Mission Support																		
70	Mis Support	Rasmussen	Bryce	OT01	37	34	38	MIN SAFE HANFORD ENVIRONMENTAL SURVEILLANCE	3890	3950	4112	4112	L	U	H	Y			Measures integrated effects of Hanford derived contaminants
								Min-Safe Subtotal:	3890	3950	4112								
70	Mis. Support	Rasmussen	Adair	OT01	93	73	96	Hanford Environmental Management Program - HEMP	6860	6500	7000	11112	L	L	L			Y	Develop and implement strategies that support compliance with specific environmental requirements and agreements that crosscut missions/programs.
70	Mis. Support	Rasmussen	Bryce	OT01	94	73	97	HANFORD RESOURCE PROTECTION REG COMPLIANCE	1490	1450	1538	12650	L	M	U	Y			Protects endangered species, archaeological resources/historic properties; 100/200 Area NEPA compliance
70	Mis. Support	Rasmussen	Bryce	OT01	125	97	128	SITEWIDE HISTORIC BUILDINGS MITIGATION	350		350	13000						Y	Reduced cost approach to documenting bldgs prior to decontamination and demolition
70	Mis. Support	Higgins	Brennan/Slate	OT01	126A	98	129	Site Planning & Integration Project	5667	6000	6000	19000						Y	Direction & coordination of Site Baseline preparation, annual site budget submittal, monthly performance reporting.
70	Mis. Support	Knollmeyer	Brennan	OT01	127A	99	130	Site System Engineering	1750	750	750	19750	M	M	M				Provide site-wide Systems Engineering support necessary for development and maintenance of the Integrated Site Technical Baseline.
70	Mis Support	Higgins	Brennan	OT01	226	99	214	Site System Integration		1000	1000	20750							Site wide Systems Integration
70	Mis. Support	Murphy	none	OT01	266		216	ROF		3692		20750							
								Low Scenario Indirect Reduction			-331	20419							
								High Scenario Indirect Reduction		-430	-550	19869							
								LOW SCENARIO Subtotal:	20007	22912	19869								
70	Mis Support	Higgins	Murphy	OT01	267		224	ROF / Mission Support Adjustment		-2700		19869							
70	Mis Support	Higgins	none	OT01	126A	98	231	Site Planning & Integration Project				19869						Y	Direction & coordination of Site Baseline preparation, annual site budget submittal, monthly performance reporting
								High Scenario Indirect Reduction			331	20200							
								HIGH SCENARIO Subtotal:	20007	20212	20200								
70	Mis. Support	Rasmussen	Bryce	OT01	223	97	257	SITEWIDE HISTORIC BUILDINGS MITIGATION	297	461	45	20245						Y	Reduced cost approach to documenting bldgs prior to decontamination and demolition (National Historic Preservation Act)
								Compliance Level I (FY1998-FY1999)	20304	20673	20245								
70	Mis. Support	Rasmussen	Adair	OT01	232	126	268	HANFORD ENVIRONMENTAL MONITORING	417	324	100	20345				Y			Measures/assesses Hanford Reach contaminants and effects
70	Mis Support	Rasmussen	Bryce	OT01	242	149	271	HANFORD ECOSYSTEM REG COMPLIANCE	210	215	221	20566		M	U	Y			300/1100 Area NEPA compliance; bio resources mgmt data

EM-70 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est Cost	CUM FY 1999	PS	SP	EN	E.O 12088	DNFSB	Other	
								Compliance Level II (FY2000-FY2006)	20931	21212	20566								
70	Mis Support	Rasmussen	Bryce	OT01	243	150	275	NHPA 110 COMPLIANCE / WANAPUM TRIBE PARTICIPATIO		181	82	20648						Y	Proactive assessment of cultural properties, Wanapum involvement
								Compliance Level III (FY2006-Beyond)	20931	21393	20648								
70	Mis Support	Higgins	Brennan	OT01	224	98	280	Site Planning & Integration Project		689		20648							
								Additional Requirements Subtotal:	20931	22082	20648								
	HAMMER																		
70	HAMMER	Ollero	Pilon	HM01	92	71	95	HAMMER	13486	5053	4934	4934	M	H	H			Y	Operate/maintain permanent HAMMER facility to include: hosting/facilitating hands-on training in four product lines, operation/maintenance of facilities/props; scheduling, QA/QC, administration and program management.
								Low Scenario Indirect Reduction			-79	4855							
								High Scenario Indirect Reduction		-111	-131	4724							
								LOW SCENARIO Subtotal:	13486	4942	4724								
								High Scenario Indirect Reduction			79	4803							
								HIGH SCENARIO Subtotal:	13486	4942	4803								
70	HAMMER	Ollero	Pilon	HM01	208	71	276	Impl. Eval, Continuous Improvement, Ed and Training Program			850	5653	M	H	H			Y	Operate the Learning Resource Center
								Additional Requirements Subtotal:	13486	4942	5653								

EM-70 Hanford FY 1999 Integrated Priority List - Ten Year Window

Cross Reference Identification						Priority			FY '97-'99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O. 12088	DNFSB	Other	
Conversion Project																			
70					262		212	Year 2000 Conversion Project / Legacy Software - Indirect		20000	20000	20000							Mods to Hanford computer systems, equipment and instruments
								LOW SCENARIO Subtotal:	0	20000	20000							
RL Directed																			
70	RL Directed	Murphy	N/A	OT04	61	58	58	Emergency Preparedness Grant	700	700	700	700							grant to State of Wash
70	RL Directed	Murphy	N/A	OT04	62	59	59	State of Oregon Hanford Oversite	543	543	543	1243							grant to Oregon
70	RL Directed	Murphy	N/A	OT04	63A	63	60	RCRA Mixed Waste Fee	3600	3900	3900	5143				Y			payment of fees to Washington Department of Ecology
70	RL Directed	Murphy	N/A	OT04	64	64	61	DOH Oversite/surveillance	411	411	411	5554				Y			Washington Department of Health surveillance grant
70	RL Directed	Murphy	N/A	OT04	65A	65	62	Downwinder Litigation	5611	6000	6000	11554						Y	payment of costs associated with class action down winder litigation
70	RL Directed	Murphy	N/A	OT04	66	66	63	Air Emissions Monitoring Payment,etc	1689	1890	1890	13444				Y			payment of fees to State of Washington
70	RL Directed	Murphy	N/A	OT04	67	67	64	Payment in Lieu of Taxes	2546	5200	5000	18444						Y	Payment in lieu of taxes to Bentone, Franklin and Grant counties
70	RL Directed	Murphy	Aichelle	OT04	68	68	65	Declassification of Hanford Documents	1975	2000	2000	20444				Y			declassification of documents
70	RL Directed	Murphy	N/A	OT04	68.1	N/A	66	Hanford Thyroid Study/HAB/misc grants	2937	2470	2400	22844				Y			Thyroid Study, additional grant to HAB & grants under negotiation
70	RL Directed	Murphy	N/A	OT04	267	67	67	Hanford Health Information Network	2000			22844						Y	operations of Hanford Health Information Network (under negotiation)
70	RL Directed	Murphy	N/A	OT04	268	67	68	Site Wide Assessments (EM-70)	2851			22844							required payments for miscellaneous activities
70	RL Directed	Murphy	N/A	OT04	70	N/A	70	WHC contract closeout	3896	4000	2000	24844							Westinghouse Hanford Company contract closeout costs
								LOW SCENARIO Subtotal:	28959	27114	24844							
EM-70 Totals																			
								Min-Safe Subtotal:	15250	17700	20058								
								LOW SCENARIO Subtotal:	75348	89640	90502								
								HIGH SCENARIO Subtotal:	75348	86940	102830								

NOTE Data is consistent with the 3/5/97 Integrated Priority List, trasnmitted by the letter dated 3/4/97.

Cross Reference Identification						Priority			FY 97-99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E.O 12088	DNFSB	Other	
	ER																		
40	ER	Bauer	M.C. Hughes	ER05	44	46	29	MIN SAFE - 100 AREA D&D - S&M	3525	4432	4316	4316	L	H	H	Y		Y	S&M of 8 Reactors and over 100 Ancillary Fac
40	ER	Bauer	M C. Hughes	ER05	45	46	30	MIN SAFE - 100 AREA D&D - Fac Trans S&M				4316	L	H	H	Y		Y	S&M of N Reactor and 100 Ancillary Fac.
40	ER	Bauer	M.C. Hughes	ER07	46	51	36	MIN SAFE - LONG TERM S&M	198	193	192	4508	L	M	M	Y		Y	Post Remediation Monitoring of 1100 Area
40	ER	Bauer	M.C. Hughes	ER08	36	32	44	MIN SAFE - GW MGT CERCLA/RCRA MONITORING & REP	591	10495	11074	15582	L	L	H	Y		Y	Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M.C. Hughes	ER05	29	22	45	MIN SAFE - RARA	3000	3500	3500	19082	M	M	H	Y		Y	Maintenance of 390 waste sites
40	ER	Bauer	M C. Hughes	ER05	47A	48	46	MIN SAFE - ASBESTOS ABATEMENT	41			19082	L	H	M	Y		Y	Asbestos Abatement Project Management
40	ER	Bauer	M.C. Hughes	ER05	48	47	47	MIN SAFE - 200 AREA D&D - S&M	2500	2400	2400	21482	L	H	M	Y		Y	S&M of 50 inactive fac. (including REDOX & U Plant)
40	ER	Bauer	M.C. Hughes	ER05	49	47	48	MIN SAFE - 200 AREA D&D - FACILITY TRANSITION S&M		1200	1200	22682	L	H	M	Y		Y	S&M of 100 inactive fac. (including PUREX)
40	ER	Bauer	M.C. Hughes	ER05	51	50	49	MIN SAFE - 300 AREA D&D - FACILITY TRANSITION S&M		200	400	23082	M	H	M	Y		Y	S&M of 21 inactive fac.
								Min-Safe Subtotal	9855	22420	23082								
40	ER	Bauer	M.C. Hughes	ER06	50	48	71	233 S D&D	2570	4000	3806	26888	L	H	M	Y		Y	D&D of 233-S Facility
40	ER	Bauer	M C. Hughes	ER05	52	48	72	100 AREA C REACTOR ISS	4663	5950		26888	M	H	M	Y		Y	Completion of C Reactor ISS
40	ER	Bauer	M C. Hughes	ER05	90	51	92	FACILITY TRANSITION SUPPORT	750	750	750	27638	M	H	M	Y		Y	ER support for facility transition activities
40	ER	Bauer	M C. Hughes	ER10	91	60	93	RL PROGRAM MANAGEMENT AND SUPPORT	7020	6000	5345	32983				Y		Y	Management and Oversight
40	ER	Bauer	M C. Hughes	ER10	143	111	108	PROGRAM MANAGEMENT & SUPPORT	37919	27889	26449	59432				Y		Y	Safety,QA,Reg Compl.,Data Mgmt,Engr. Plan. for Min Safe
40	ER	Bauer	M C. Hughes	ER08	133	105	109	200 ZP GW REMEDIAL ACTION	3051	2659	2736	62168	L	L	H	Y		Y	Treatment of 1.3B liters of groundwater
40	ER	Bauer	M C. Hughes	ER08	131	103	132	100 HR GW REMEDIAL ACTION	3422	3080	3426	65594	L	L	H	Y		Y	Treatment of 880M liters of groundwater
40	ER	Bauer	M C. Hughes	ER08	132	104	133	100 KR GW REMEDIAL ACTION	2442	3069	3402	68996	L	L	H	Y		Y	Treatment of 600M liters of groundwater
40	ER	Bauer	M C. Hughes	ER08	130	102	134	100 NR GW REMEDIAL ACTION	2799	1000	1506	70502	L	L	H	Y		Y	Treatment of 300M liters of groundwater
40	ER	Bauer	M C. Hughes	ER08	134	106	135	200 UP GW REMEDIAL ACTION	1615	609	510	71012	L	L	H	Y		Y	Treatment of 95M liters of groundwater
40	ER	Bauer	M.C. Hughes	ER08	135	106	135	200 PO GW REMEDIAL ACTION				71012	L	L	H	Y		Y	
40	ER	Bauer	M C. Hughes	ER09	136	106	137	N REACTOR DEACTIVATION	13516			71012				Y		Y	Deactviation of N Reactor
40	ER	Bauer	M C. Hughes	ER04	149	115	138	ER DISPOSAL FACILITY	14842	16664	23641	94653	M	M		Y		Y	Disposal of 770K cubic yards of waste
40	ER	Bauer	M C. Hughes	ER01	144	112	139	100 BC SOURCE REMEDIAL ACTION	6301	8664	6480	101133	M	M	H	Y		Y	Remediation of 13 waste sites in 100 BC Area
40	ER	Bauer	M C. Hughes	ER01	145	113	141	100 DR SOURCE REMEDIAL ACTION	5966	9277	5015	106148	M	M	H	Y		Y	Remediation of 20 waste sites in 100 D Area
40	ER	Bauer	M.C. Hughes	ER01	146	113	143	183-H WASTE DISPOSAL				106148				Y		Y	Closure of a RCRA TSD in support of the TPA.
40	ER	Bauer	M.C. Hughes	ER03	148	114	144	300 FF SOURCE REMEDIAL ACTION	6516	7618	5337	111485	M	M	H	Y		Y	Remediation in 9 waste sites
40	ER	Bauer	M C. Hughes	ER01	150	117	145	100 HR SOURCE REMEDIAL ACTION	1207	1433	8922	120407	M	M	H	Y		Y	Remediation of 8 waste sites in 100 H Area
40	ER	Bauer	M.C. Hughes	ER08	151	117	146	GW MGT WELL DECOMMISSIONING		2000	2000	122407	L	L	H	Y		Y	Decommissioning and maintenance of existing wells
40	ER	Bauer	M C. Hughes	ER06	137	107	147	100 AREA D&D REMEDIAL ACTION	4815	2654	1962	124369	M	H	M	Y		Y	Decommissioning of the eight 100 Area facilities
40	ER	Bauer	M.C. Hughes	ER06	106A	107	148	100 AREA F REACTOR ISS		1311	7789	132158	M	H	M	Y		Y	Initiate F Reactor ISS
40	ER	Bauer	M C. Hughes	ER06	139	107	149	100 AREA D REACTOR ISS				132158	M	H	M	Y		Y	D Reactor ISS
40	ER	Bauer	M C. Hughes	ER06	107A	107	150	100 AREA DR REACTOR ISS				132158	M	H	M	Y		Y	DR Reactor ISS
40	ER	Bauer	M C. Hughes	ER06	141	107	151	100 AREA H REACTOR ISS				132158	M	H	M	Y		Y	H Reactor ISS
40	ER	Bauer	M C. Hughes	ER06	142	108	152	100 AREA KE REACTOR ISS				132158	M	H	M	Y		Y	KE Reactor ISS
40	ER	Bauer	M C. Hughes	ER01	147	113	153	100 FR SOURCE REMEDIAL ACTION	2620	1100	4548	136706	M	H	M	Y		Y	Remediation of 6 waste sites in 100 F Area
40	ER	Bauer	M C. Hughes	ER01	152	118	154	100 NR SOURCE REMEDIAL ACTION	392	1089	845	137551	M	M	H	Y		Y	Remedial design
40	ER	Bauer	M C. Hughes	ER01	154	119	155	100 KR SOURCE REMEDIAL ACTION				137551	M	M	H	Y		Y	Remediation of 100 K Area waste sites
40	ER	Bauer	M.C. Hughes	ER08	155	119	156	GW MGT MODELING AND COMPOSITE ANALYSIS		650	650	138201				Y		Y	Development of composite analysis
40	ER	Bauer	M.C Hughes	ER02	153	119	157	200 BP SOURCE REMEDIAL ACTION	1268	516		138201	L	M	H	Y		Y	Complete Prototype Barrier Testing
40	ER	Bauer	M.C. Hughes	ER02	191A	119	159	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789			138201	L	M	H	Y		Y	200 Area assessment

NOTE: Data is consistent with the 3/5/97 Integrated Priority List, transmitted by the enter called sheet.

Cross Reference Identification						Priority			FY 97-99				FY99 RISK Evaluation			Compliance			WHAT ARE WE BUYING?
EM OFF	RL PROG	DOE-RL PROGRAM MANAGER	CONTRACTOR PROJECT DIRECTOR	PBS #	UAS#	98 PRI	99 PRI	"UNIT OF ANALYSIS"	FY 1997 Est. Cost	FY 1998 Est. Cost	FY 1999 Est. Cost	CUM. FY 1999	PS	SP	EN	E O 12088	DNFSB	Other	
40	ER	Bauer	M C Hughes	ER08	161A	120	160	COL RIVER COMPREHENSIVE IMPACT ASSESS	461			138201	L	M	H	Y		Y	
40	ER	Bauer	M C Hughes	ER02	157	119	161	200 PO REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y		Y	200 Area assessment
40	ER	Bauer	M C Hughes	ER02	158	120	162	200 UP RREMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y		Y	200 Area assessment
40	ER	Bauer	M C Hughes	ER02	159	120	163	200 RO REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y		Y	200 Area assessment
40	ER	Bauer	M.C. Hughes	ER02	160	120	193	200 IU REMEDIAL ACTION - ASSESSMENT				138201	L	M	H	Y		Y	200 Area assessment
								LOW SCENARIO Subtotal	134799	130602	138201							
40	ER	Bauer	M C Hughes	ER08	36	32	218	GW MGT CERCLA/RCRA MONITORING & REPORTING	591			138201	L	L	H	Y		Y	Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M C Hughes	ER10	91	60	219	RL PROGRAM MANAGEMENT AND SUPPORT	7020			138201				Y		Y	Management and Oversight
40	ER	Bauer	M C Hughes	ER03	148	114	220	300 FF SOURCE REMEDIAL ACTION	6516		841	139042	M	M	H	Y		Y	Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M C Hughes	ER06	106A	107	221	100 AREA REACTOR ISS		1700	8823	147865	M	H	M	Y		Y	Required to maintain comittments for TPA
40	ER	Bauer	M C Hughes	ER01	152	118	222	100 NR SOURCE REMEDIAL ACTION	392		3336	151201	M	M	H	Y		Y	Required to initiate remediation in accordance with the ROD
40	ER	Bauer	M.C Hughes	ER02	191A	119	223	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789			151201	L	M	H	Y		Y	Initiate 200 Area assessment
40	ER	Bauer	M C. Hughes	ER08	161A	120	224	COL RIVER COMPREHENSIVE IMPACT ASSESS	461	1000	1000	152201	L	M	H	Y		Y	Implement CRCIA recommendations
								HIGH SCENARIO Subtotal:	150568	133302	152201							
40	ER	Bauer	M C Hughes	ER08	36	32	245	GW MGT CERCLA/RCRA MONITORING & REPORTING	591	2000	2000	154201	L	L	H	Y		Y	Site wide Groundwater and Environmental Monitoring
40	ER	Bauer	M C Hughes	ER03	148	114	246	300 FF SOURCE REMEDIAL ACTION	6516	1357		154201	M	M	H	Y		Y	Required to meet TPA milestone for completion of remediation
40	ER	Bauer	M C Hughes	ER06	106A	107	247	100 AREA REACTOR ISS		4694		154201	M	H	M	Y		Y	Required to maintain comittments for TPA
40	ER	Bauer	M C Hughes	ER01	152	118	248	100 NR SOURCE REMEDIAL ACTION	392	410	2464	156665	M	M	H	Y		Y	Requirec to initiate remediation in accordance with the ROD
40	ER	Bauer	M.C. Hughes	ER02	191A	119	249	200 NPL COMMON ASSESSMENT / REMEDIAL ACTION	789	500	4260	160925	L	M	H	Y		Y	Initiate 2(0 Area assessment
								Additional Requirements Subtotal:	158856	142263	160925							